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soya bluebook

an ASA publication

Lucas Meyer

The Lecithin people

LECITHIN

We are
a service company to
the soya industry.
Over 30.000 tons
of soya bean lecithin
and soya fatty acids
are yearly being marketed
by us world wide.

LUCAS MEYER

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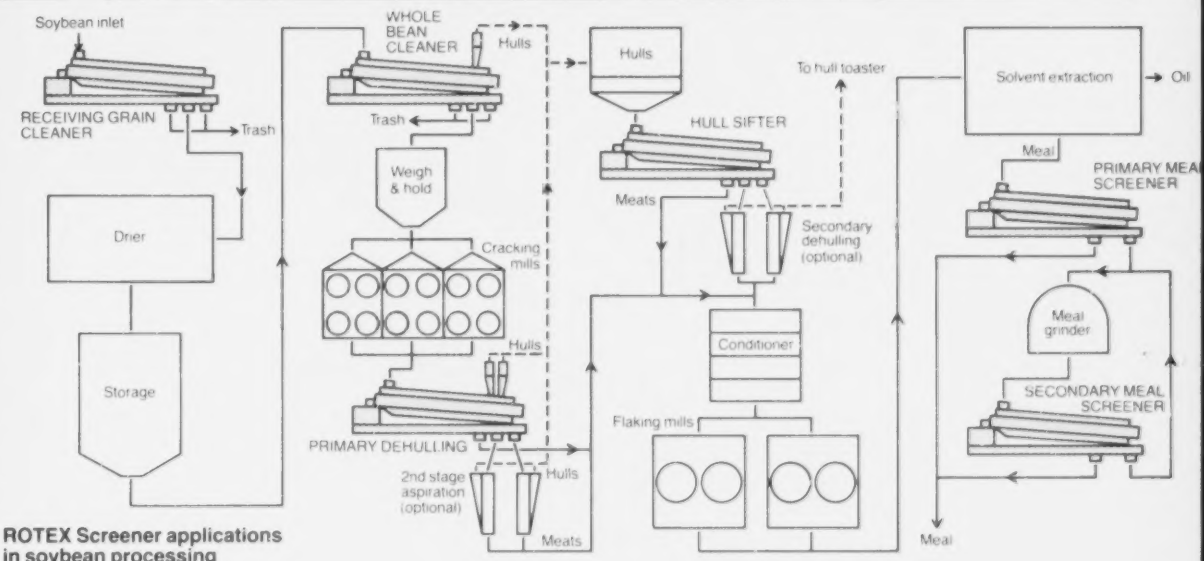
Lucas Meyer s.r.l., Italy, Lucas Meyer S.A., Spain, Lucas Meyer S.A., France

How Rotex® Screeners increase profits for soybean processing plants



ROTEX Screener applications in soybean processing

It's surprising how many ways soybean processing plants use ROTEX Screeners. And every application area, from receiving station to meal processing, contributes directly to the soybean plant's bottom line. You profit through greater yields, as ROTEX Screeners minimize the loss of good product during processing. You profit from ROTEX reliability and less downtime. And from more accurate and uniform sizing, for a better quality end product. In every respect, ROTEX Screeners are specifically engineered to meet the requirements of difficult soybean applications.

Receiving cleaning — Increasing emphasis is being placed today on the cleaning of incoming grain to remove fines, whose presence tends to restrict circulation and cause product loss during storage. ROTEX Grain Cleaners are ideal for this application because they use a *long stroke/low frequency* horizontal screening motion. The motion quickly stratifies the fines down against the screen openings without violent agitation and remixing; fines readily pass through while the gentle motion minimizes grain breakage and produces maximum yields.

Model 722 ROTEX Grain Cleaner equipped for aspiration

Prep room whole bean cleaning — Field trash and other oversize foreign matter are quickly removed by ROTEX Screeners as the horizontal gyratory motion minimizes upending of trash and helps prevent screen blinding. ROTEX Screeners can be furnished with aspiration for automatic removal of loose hulls and other light material off the top of the bed of whole beans — while removing grit and fines prior to cracking.

Cracked bean dehulling — The ROTEX horizontal gyratory motion causes hulls to ride up on top for easy aspiration, as the meats move to the bottom for steady conveying off the screen surface. Efficient hull removal is accomplished with minimum loss of meats.

Hull sifting — ROTEX Screeners produce accurately and uniformly sized fractions, which permits use of falling bed aspirators for additional meat recovery in secondary dehulling systems.

Meal sifting — The high capacities of ROTEX Screeners save floor space and power while producing efficient separations and reducing recycle load on the grinding mill.

Over 70 years' experience — Whatever your requirements in soybean processing, ROTEX INC. can help increase your yields and your profits. Our test lab is available for analysis and demonstration on your material, or field visits can be arranged to ROTEX installations. Call or write today for further information. ROTEX INC., 1236 Knowlton Street, Cincinnati, Ohio 45223.

For name of your nearest ROTEX representative, call TOLL-FREE 1-800-243-8160

ROTEX INC.

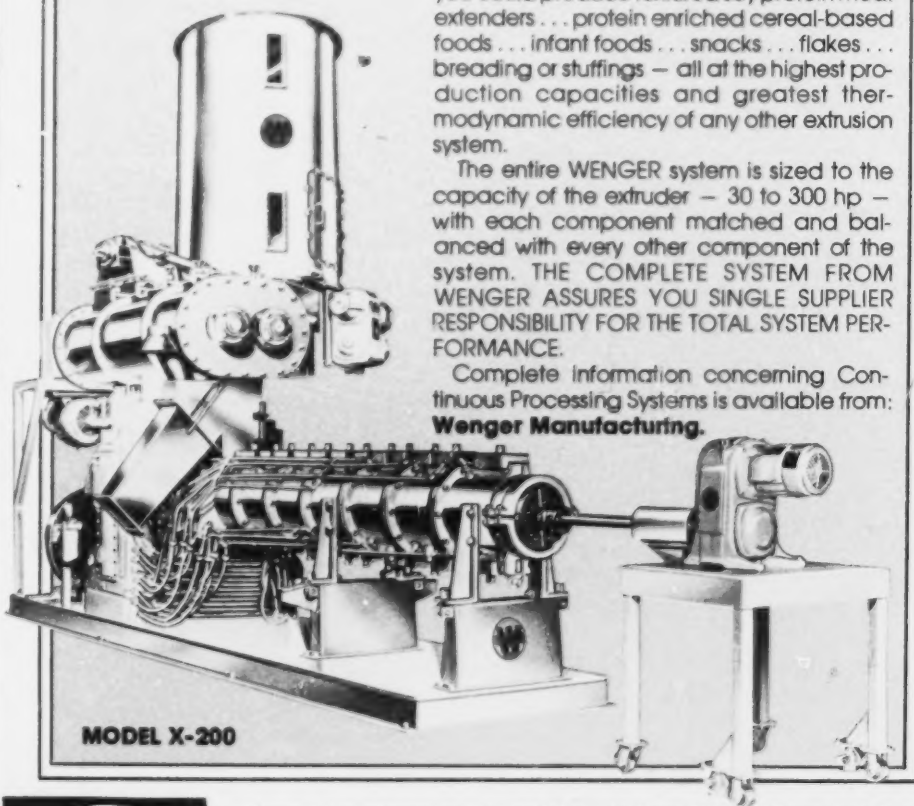
WENGER'S
FOOD MACHINES

Continuous Extrusion Cookers
Can produce a whole range of profitable and industry proven
Soy Products

Think about it: with one Wenger extruder you could produce textured soy protein meat extenders . . . protein enriched cereal-based foods . . . infant foods . . . snacks . . . flakes . . . breading or stuffings – all at the highest production capacities and greatest thermodynamic efficiency of any other extrusion system.

The entire WENGER system is sized to the capacity of the extruder – 30 to 300 hp – with each component matched and balanced with every other component of the system. THE COMPLETE SYSTEM FROM WENGER ASSURES YOU SINGLE SUPPLIER RESPONSIBILITY FOR THE TOTAL SYSTEM PERFORMANCE.

Complete information concerning Continuous Processing Systems is available from: **Wenger Manufacturing.**



MODEL X-200

Wenger

Wenger Manufacturing-*Plant and General Offices,* 714 Main Street, P.O. Box 130, Sabetha, Kansas 66534-0130, U.S.A. tel. 913/284-2133

Wenger International, Inc.-*Export Division,* One Crown Center, Suite 510, 2400 Pershing Road, Kansas City, Missouri 64108-2581, U.S.A. tel. 816/221-5084, telex 6875028 WENGR UW, Cable WENGER-KSC

Wenger International, Inc.-*European Division,* Franklin Rooseveltplaats 12, B-2008 Antwerpen, Belgium, tel. 03/232-7005, telex 31413 WENGER B, Cable WENGERINT

SOYBEANS: YOUR PROFIT OPPORTUNITY

Soybean farmers, processors, transporters, grain companies and international trading firms work as a team to build opportunities for profitable U.S. soybean farming.

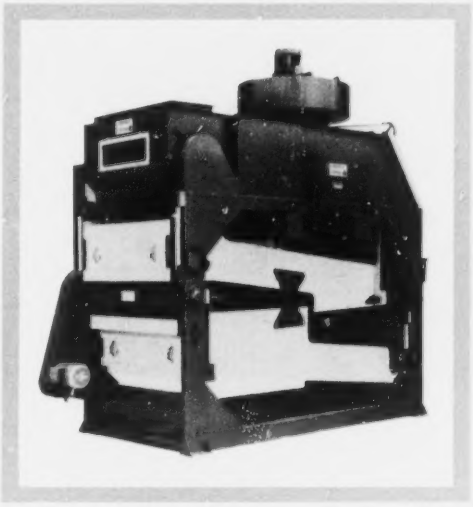
SOYA BLUEBOOK represents a vital tool for the worldwide soybean industry. This directory brings international soybean buyers and sellers together. From **BLUEBOOK's** directory of suppliers to its tables of economic data, **SOYA BLUEBOOK** provides valuable information for soybean specialists here in the U.S. and around the world.

The American Soybean Association—as a farmer-controlled U.S. commodity organization—is pleased to present the 1985 **SOYA BLUEBOOK** as an important marketing tool for all who are involved in the worldwide soybean industry. Our farmers are interested in growing and selling soybeans at profitable prices.

Exports provide the profit opportunity. With an export value of $7.5 billion, the soybean complex—whole soybeans, soybean meal, soybean oil or myriad other soybean based products—contributes more than one-fifth to the sum total of U.S. ag exports . . . and is the largest agricultural export earner for the United States.

We look forward to assisting you and your company. We hope this issue of **SOYA BLUEBOOK** will support your efforts.

Dr. Kenneth L. Bader
Chief Executive Officer
American Soybean Association



Q. What are the advantages of the Gustafson FA-1500 cleaner?

A. The centrally located single fan system is both simple and accurate.
The uniform air system individually weighs and separates each seed, providing you with an accurate product separation.

Other benefits of the versatile air-screen machine include:

- Rubber ball screen cleaning
- Complete and easy clean-out
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- Powerful, uniform aspiration of product
- Low maintenance
- Can be equipped with Kamatrol,™ the computerized control

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P.O. Box 660065
Dallas, Texas 75266
(214) 931-8899

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SOYA BLUEBOOK is published each July. Listings are provided to qualified members of the soybean industry. Every effort has been made to present a publication free of errors and/or omissions. In the event either occur, please contact the editor of *SOYA BLUEBOOK* so corrections can be made in future editions. For additional copies of *SOYA BLUEBOOK* ($25, U.S., Canada, Mexico, $34, all other countries), contact Circulation & Sales Department. For advertising rate information, contact *SOYA BLUEBOOK* Advertising Manager. All inquiries should be directed to:

SOYA BLUEBOOK
P.O. Box 27300
St. Louis, MO 63141 U.S.A.

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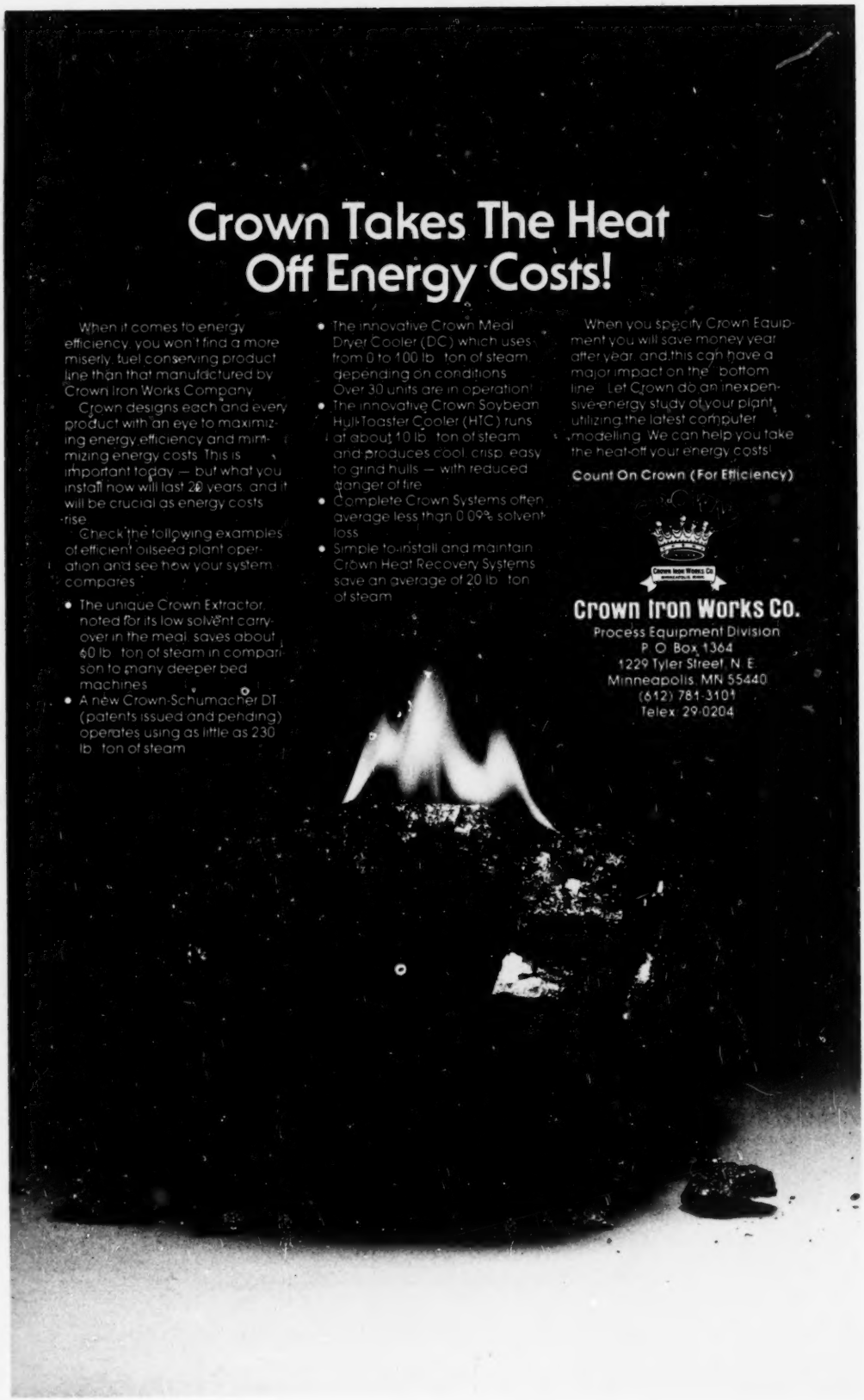

Crown Takes The Heat
Off Energy Costs!
When it comes to energy efficiency, you won't find a more miserly, fuel conserving product line than that manufactured by Crown Iron Works Company.
Crown designs each and every product with an eye to maximizing energy efficiency and minimizing energy costs. This is important today — but what you install now will last 20 years, and it will be crucial as energy costs rise.
Check the following examples of efficient oilseed plant operation and see how your system compares.
• The unique Crown Extractor, noted for its low solvent carry-over in the meal, saves about 60 lb. ton of steam in comparison to many deeper bed machines.
• A new Crown-Schumacher DT (patents issued and pending) operates using as little as 230 lb. ton of steam.
• The innovative Crown Meal Dryer Cooler (DC) which uses from 0 to 100 lb. ton of steam, depending on conditions. Over 30 units are in operation!
• The innovative Crown Soybean Hull-Toaster Cooler (HTC) runs at about 10 lb. ton of steam and produces cool, crisp, easy to grind hulls — with reduced danger of fire.
• Complete Crown Systems often average less than 0.09% solvent loss.
• Simple to install and maintain, Crown Heat Recovery Systems save an average of 20 lb. ton of steam.
When you specify Crown Equipment you will save money year after year, and this can have a major impact on the bottom line. Let Crown do an inexpensive energy study of your plant, utilizing the latest computer modelling. We can help you take the heat off your energy costs!
Count On Crown (For Efficiency)
Crown Iron Works Co.
Process Equipment Division
P. O. Box 1364
1229 Tyler Street, N. E.
Minneapolis, MN 55440
(612) 781-3101
Telex 29-0204

FOREWORD

SOYA BLUEBOOK has been published annually by the American Soybean Association since 1947 and serves as an international reference and directory to promote the sale and utilization of American soybeans and soybean products.

SOYA BLUEBOOK is divided into five sections. (1) **Organizations** concerned with soybean research, utilization and market development are listed in the first section. (2) The **Soy Directory** identifies processors and refiners, soyfoods manufacturers, and producers of soy products suitable for industrial uses. (3) **Soybean Manufacturing Support Industries** are companies that provide appropriate equipment, supplies or services to the industry. (4) The **Marketing and Auxiliary Services** section includes brokers, transport and warehouse firms, exporters and importers. (5) The **Soy Statistics** section has maps and tables of U.S. and world soybean production, its value, utilization and export/import.

Information for all listings is obtained from questionnaires sent directly to the companies. Firms responding with updated or verified information are identified (★). Established policy of some firms restricts information available for publication, however, the information is as complete as possible. The publisher of **SOYA BLUEBOOK** will not be responsible for any omissions which may have been made unavoidably.

organizations

The following organizations are independent groups that serve the international soybean industry as informational sources and whose activities are directed toward or include emphasis on production, processing, research, marketing and use of soybeans and soybean products.

UNITED STATES

AMERICAN SOYBEAN ASSOCIATION

777 Craig Road
P.O. Box 27300
St. Louis, MO 63141-1700
PHONE: 314-432-1600
TLX: 4312061 (USBEANS STL)

FOUNDED: 1920 **ORGANIZED:** 1925 **INCORPORATED:** 1946

EXECUTIVE COMMITTEE
Chairman of the Board – Ralph Weems
President – Roger Asendorf

American Soybean Development Foundation President – Andrew Whisenhunt

STAFF
Chief Executive Officer – Dr. Kenneth Bader
Executive Director – Steve Drake

MEMBERSHIP

Active Membership – 27,000. U.S. soybean farmers. Associate Membership – business organizations, corporations, partnerships and other agencies who are engaged in the promotion and interests of soybeans or soybean products. Foreign Contributing Members – foreign business organizations, corporations, partnerships and other agencies and persons interested in the welfare of the soybean industry.

STRUCTURE

State
26 Affiliated State Associations. 12 regional offices provide support to state checkoff and state soybean association boards.

Checkoff Funds – Farmer boards managing 26 state checkoff programs allocate funds to the American Soybean Development Foundation (ASDF). ASDF directors contract with the American Soybean Association to implement market development, research and education programs.

International
Eleven offices service more than 75 countries. Country directors work closely with the U.S. Department of Agriculture, Foreign Agricultural Service, agricultural counselors, attaches and trade officers, and local individuals and groups involved with oilseeds production, consumption and marketing.

The International Foundation for Agricultural Development (IFAD) provides expert technical assistance to the soy industry. Projects are supported by professional staff located in St. Louis, MO, Washington, DC and foreign offices. Special consultants are used to provide particular expertise. IFAD's primary objective is to improve the quality of nutrition through proper processing and utilization of soybeans.

OBJECTIVES AND ACTIVITIES
To promote profitable soybean production for U.S. farmers and the total soybean industry; to monitor and influence U.S. governmental programs and policy to represent the best interest of U.S. soybean farmers; to promote utilization of U.S. soybeans and soybean products worldwide through cooperative farmer, industry and government market development programs; to assure a free world market for soybeans; to assure adequate support for soybean research; to inform U.S. soybean farmers of current production and marketing information.

ASA is a national, non-profit, volunteer, single commodity organization of soybean farmers. ASA promotes but does **not** sell soybeans and/or soybean products.

Market Development Programs – In 1984, U.S. soybean farmers invested almost $6 million of their own checkoff funds for more than 200 market development projects in 75 countries.

Research – Through farmer investment in the soybean checkoff, farmers fund soybean research at the state and national level. Research projects include improving product quality, developing new uses for soybeans and soybean products, helping cut harvest losses, reducing disease problems and developing improved varieties.

PUBLICATIONS
Soybean Digest, a production/management magazine, 12 times/year.

Soybean Update, a marketing newsletter, 50 times/year, exclusively for ASA members.

SoyNet Market Letter, a futures market advisory newsletter, 48 times/year, exclusively for SoyNet members.

Soya Bluebook, a directory of the soybean industry, each July, $25 (U.S., Canada, Mexico), $34 (other countries).

THE AMERICAN ASSOCIATION OF CEREAL CHEMISTS

3304 Pilot Knob Road
St. Paul, MN 55121
PHONE: 612-454-7250
TELEX: 290766 (L&M BLTN)

Contact: Mr. Raymond Tarleton
Executive Vice President

FOUNDED: 1915
MEMBERSHIP
3,200 individuals. Members are qualified through education (bachelor's degree in science or engineering or 2 years of academic training in science and 4 years of practical experience), or active engagement in a function concerned with cereals or related materials. Student, corporate and sustaining memberships are available.
OBJECTIVES AND ACTIVITIES
To engage in activities which will advance and encourage scientific and technical research in cereal grains and related materials, their processing and utilization.
PUBLICATIONS
Cereal Foods World, monthly, $45/year (U.S.)
Cereal Chemistry, bimonthly, $88/year (U.S.)

THE AMERICAN OIL CHEMISTS' SOCIETY

508 South Sixth Street
Champaign, IL 61820
PHONE: 217-359-2344
TELEX: 404472 (OIL CHEM CHN)

Contact: Mr. James Lyon
Executive Director

FOUNDED: 1909
MEMBERSHIP
4,075 individuals; 68 firms. Chemists, biochemists, chemical engineers, research directors, plant managers, technologists and others working in fundamental research, laboratories, extraction and refining and manufacturing.

OBJECTIVES AND ACTIVITIES
To improve analytical chemistry and technology. Established **AOCS Official and Tentative Methods of Analysis.** Provides laboratory services, proficiency tests of chemists using AOCS Official Methods, and certification of Official Referee Chemists.
PUBLICATIONS
Journal of the American Oil Chemists' Society, monthly, $60/year.
Lipids, monthly, $50/year.

AMERICAN PHYTOPATHOLOGICAL SOCIETY

3304 Pilot Knob Road
St. Paul, MN 55121
PHONE: 612-454-7250
TELEX: 290766 (L&M BLTN)

Contact: Mr. Raymond Tarleton
Executive Vice President

FOUNDED: 1908
MEMBERSHIP
4,300 individuals interested in the control of plant diseases.
OBJECTIVES AND ACTIVITIES
To promote the increase and diffusion of information relating to plant diseases and their control.
PUBLICATIONS
Plant Disease, ISSN 0191-2917, monthly, $50/year to individuals (U.S.); $100/year to companies, institutes and libraries (U.S.).
Phytopathology, ISSN 0031-949X, monthly, $150/year (U.S.), $175/year (foreign-sent surface mail).

AMERICAN WATERWAYS OPERATORS, INC.

Suite 1000
1600 Wilson Blvd.
Washington, DC 22209
PHONE: 703-841-9300

Contact: Mr. Jeffrey Smith
Vice President, Public Affairs

FOUNDED: 1944
MEMBERSHIP
225 members, 65 affiliates. Carriers engaged in the transportation of commodities by water and others with closely related interests; shipyards and mid-stream fuel and supply service concerns.
OBJECTIVES AND ACTIVITIES
To promote members' interests and operations, to achieve greater public awareness of industry and to speak for collective interests of member organizations to the federal government, media and before courts.
PUBLICATIONS
Big Load Afloat, I & II.
AWO Weekly Letter, weekly.

ASSOCIATION OF AMERICAN FEED CONTROL OFFICIALS

c/o Feed & Fertilizer Control Service
P.O. Box 3160
College Station, TX 77841
PHONE: 409-845-1121

Contact: Ms. Barbara Jean Sims
Secretary

FOUNDED: 1910
MEMBERSHIP
Feed control officials; 50 individuals representing 50 states.
OBJECTIVES AND ACTIVITIES
Regulation of livestock, poultry and pet foods.
PUBLICATIONS
Official Publication, annually, $15.

COMMERCIAL SOYBEAN BREEDERS

c/o Dr. Harry Collins
Delta & Pine Land Company
Scott, MS 38772
PHONE: 601-742-3351

Contact: Mr. Jimmy Barber
P.O. Box 1673
Columbia, MO 65205

FOUNDED: 1976
MEMBERSHIP
62 individuals actively involved in the profession of plant breeding who have independent authority to conduct breeding projects.
OBJECTIVES AND ACTIVITIES
To encourage and promote a professional image and attitude among commercial soybean breeders, a better working relationship among private and public soybean breeders, and more effective utilization of soybean protein and oil.

INSTITUTE OF FOOD TECHNOLOGISTS

Suite 2120
221 North LaSalle Street
Chicago, IL 60601
PHONE: 312-782-8424

Contact: Mr. Calvert L. Wiley
Executive Director

FOUNDED: 1939
MEMBERSHIP
22,000 professional food technologists, scientists, engineers or executives and educators in food technology.
OBJECTIVES AND ACTIVITIES
To stimulate investigations into technological problems; present, discuss and publish results of such investigations; stimulate exchange of information and ideas; raise education standards; promote recognition of food technologists role in industry.
PUBLICATIONS
Food Technology, monthly, $45.
Journal of Food Science, bi-monthly, $45.

soy protein council

FORMERLY FOOD PROTEIN COUNCIL 1971-1981

1255 Twenty-Third Street, N.W.
Washington, D.C. 20037
202/467-6610

WHO?
Members of the Soy Protein Council are firms that process and sell soy proteins or food products containing soy proteins.

WHAT?
The principal activity of the Soy Protein Council is to broaden the acceptance of soy proteins as key components of the world-wide food system. To that end, the Council pursues programs of government relations, public affairs, media information, and international market liaison.

SHAPING THE FUTURE OF FOOD

WHY?

- To build awareness of the established nutritional properties of commercially available vegetable proteins, and to participate in the formulation of U.S. nutritional goals and policies.
- To assist government agencies, the scientific community, the food processing industry and public interest groups to better understand the role and use of soy proteins in the food system.
- To work toward harmonized world food regulations that permit and encourage maximum use of soy proteins in the world food supply.

Archer Daniels Midland Company . . . Cargill, Inc. . . . Central Soya Company, Inc. . . . Grain Processing Corporation . . . The Procter & Gamble Co. . . . Griffith Laboratories U.S.A. . . . A. E. Staley Manufacturing Company

INSTITUTE OF SHORTENING AND EDIBLE OILS, INC.

1750 New York Ave., NW
Washington, DC 20006
PHONE: 202-783-7960

Contact: Mr. Robert M. Reeves
President

FOUNDED: 1936
MEMBERSHIP
20 firms. Refiners and/or processors of food fats and oils.
OBJECTIVES AND ACTIVITIES
To monitor congressional, regulatory and research activities affecting the edible oils industry and develop appropriate actions.
PUBLICATIONS
Directory, every 5 years, $3.
Food Fats and Oils, as needed, free.

NATIONAL FOOD PROCESSORS ASSOCIATION

1401 New York Avenue
Washington, DC 20005
PHONE: 202-639-5900

Contact: Mr. Charles J. Carey
President

FOUNDED: 1907
MEMBERSHIP
600 firms. Primarily food processors (canners, freezers, dehydrators); also allied industry (packaging and processing equipment manufacturers).
OBJECTIVES AND ACTIVITIES
Scientific and technical resource for the food industry; regulatory liaison; three laboratories.
PUBLICATIONS
Information Letter, weekly.
Various scientific and technical publications.

NATIONAL GRAIN TRADE COUNCIL

Suite 476
1030 15th Street, NW
Washington, DC 20005
PHONE: 202-842-0400

Contact: Mr. Robert R. Peterson
President

FOUNDED: 1936
MEMBERSHIP
Policy-making members include grain exchanges, boards of trade and national grain marketing organizations. Associate members include individual grain companies, processing firms and related businesses.
OBJECTIVES AND ACTIVITIES
To promote better understanding among the grain trade, government and the public and to advocate principles and merits of open and competitive markets for distribution of agricultural commodities.

NATIONAL INSTITUTE OF OILSEED PRODUCTS (NIOP)

111 Sutter
San Francisco, CA 94104
PHONE: 415-392-5718

Contact: Mr. Albert F. Mogerley

FOUNDED: 1934
MEMBERSHIP
265 firms.
OBJECTIVES AND ACTIVITIES
To promote business welfare of persons and firms engaged in buying, selling, processing, shipping, manufacturing of vegetable oils and vegetable oil raw materials.
PUBLICATIONS
Trading Rules, annually.
Washington Correspondence, weekly.

NATIONAL SOYBEAN PROCESSORS ASSOCIATION

1255 Twenty-Third Street, NW
Washington, DC 20037
PHONE: 202-452-8040
TELEX: 24859 (NSPA UR)

Contact: Mr. Sheldon J. Hauck
President

FOUNDED: 1930
MEMBERSHIP
Regular Membership: 14 firms engaged in soybean processing. Associate Membership: 24 firms which are consumers of soy oil/soybean meal.
OBJECTIVES AND ACTIVITIES
To promote development of domestic and foreign markets for soybean meal and oil. Develop recommended trading rules for domestic and export trade and work with U.S. government officials to promote fair and free trade conditions for soybean products.
PUBLICATIONS
Yearbook & Trading Rules, annually, $20.

NATIONAL WATERWAYS CONFERENCE, INC.

1130 17th Street, NW
Washington, DC 20036
PHONE: 202-296-4415

Contact: Mr. Harry N. Cook
President

FOUNDED: 1960
MEMBERSHIP
10 individuals, 450 firms in water transportation industry and/or water resources management.
OBJECTIVES AND ACTIVITIES
To promote better understanding of public value of American waterways system.
PUBLICATIONS
Washington Watch, monthly, for members only.
Newsletter, irregular basis.

SOY PROTEIN COUNCIL

1255 Twenty-Third Street, NW
Washington, DC 20037
PHONE: 202-467-6610
TELEX: 248959 (NSPA WSH)

Contact: Mr. Sheldon J. Hauck
Executive Vice President

FOUNDED: 1971
MEMBERSHIP
7 U.S. firms engaged in processing or sale of edible soy proteins or products.
OBJECTIVES AND ACTIVITIES
To build awareness of established nutritional properties of commercially available soy proteins and assist in creating better understanding of role and utilization of soy proteins in the food system.

SOYFOODS ASSOCIATION OF AMERICA

East Coast Office:
Mr. Gary Barat
President
c/o Legume, Inc.
170 Change Bridge Road
Montville, NJ 07045
PHONE: 201-882-9190

West Coast Office:
Mr. Daniel Burke
Treasurer
c/o Pacific Soybean and Grain
495 DeHaro Street
San Francisco, CA 94107
PHONE: 415-863-0867

FOUNDED: 1982
MEMBERSHIP
105 firms involved in some aspect of soyfoods.
OBJECTIVES AND ACTIVITIES
To set standards and create joint marketing programs as well as exchange ideas.

AUSTRALIA

AUSTRALIAN OILSEED CRUSHERS ASSOCIATION

7/123 Clarence Street
Sydney, NSW 2000
PHONE: 297941
TELEX: 71377 (OCSIS AA).

Contact: Mr. B. Bell
Secretary

FOUNDED: 1962
MEMBERSHIP
8 firms involved in vegetable oilseed crushing.
OBJECTIVES AND ACTIVITIES
To encourage growing of oilseeds in Australia and use of vegetable oils and vegetable protein meals.

THE OILSEEDS MARKETING BOARD FOR THE STATE OF NEW SOUTH WALES

GPO Box 2736
Sydney, NSW 2001
PHONE: 231-1511
TELEX: 25715 (OSEEDS).

Contact: Mr. J. D. Ranken
Executive Director

FOUNDED: 1973
MEMBERSHIP
Individual registered oilseed growers.
OBJECTIVES AND ACTIVITIES
To protect and ensure best possible returns to growers; to encourage the growing of oilseeds; to encourage research and establish research priorities; to act as liaison with the oilseeds processing industry and other grain marketing and bulk handling organizations; to improve the distribution of grain to the domestic and export markets.
PUBLICATIONS
Growing guides and monthly newsletters, free.

AUSTRIA

AUSTRIAN MIXED FEED INDUSTRIE

c/o Verband der Futtermittelindustrie
Zaunergasse 1-3
A1030 Wien
PHONE: 722121
TELEX: 131247.

Contact: Gerhard Rupp
President

FOUNDED: 1945
MEMBERSHIP
30 Austrian industrial mixed feed producers.
OBJECTIVES AND ACTIVITIES
To represent the interests of members in government affairs.
PUBLICATIONS
Circulars.

BANGLADESH

BANGLADESH VEGETABLE OIL REFINERS' AND VANASPATI MANUFACTURERS' ASSOCIATION

Sharif Mansion, Third Floor
56/57 Motijheel Commercial Area
Dhaka 2
PHONE: 256492

Contact: Mr. Kalimur Rahman
Secretary

FOUNDED: 1964
MEMBERSHIP
10 firms; refiners of crude degummed soybean oil and producers of vegetable ghee/vanaspati; firms approved by the Department of Industries.
OBJECTIVES AND ACTIVITIES
To promote, protect and safeguard the interests of association members.

BELGIUM

ASSOCIATION INTERNATIONALE DE LA SAVONNERIE ET DE LA DETERGENCE (AIS)
(International Association of the Soap and Detergent Industry)

49, Square Marie-Louise
M-1040 Brussels
PHONE: 230-8371
TELEX: 23167 (FECHIM AIS).

Contact: Mr. Pierre V. Costa
Secretary General

FOUNDED: 1952
MEMBERSHIP
18 national associations (Western Europe and Australia) which produce or distribute soap and detergents.
OBJECTIVES AND ACTIVITIES
To study industry issues; support research, especially in areas of health and environment; distribute information to members; act as a spokesperson for the industry.
PUBLICATIONS
AIS Informational Bulletin, every two months, free to members of national associations.
Annual Statistical Tables, annually in September, BF5,000 for nonmembers.

EUROPEAN FEED MANUFACTURER'S ASSOCIATION (FEFAC)

223, Rue de la Loi
1040 Brussels
PHONE: 230-8715

Contact: Mr. Andre Namur
Secretary General

FOUNDED: 1959
MEMBERSHIP
Feed manufacturing firms.
OBJECTIVES AND ACTIVITIES
To represent the industry and influence legislative processes.
PUBLICATIONS
Feed & Food Activity Report, annually.

EUROPEAN VEGETABLE PROTEIN FEDERATION (EUVEPRO)

c/o ECCO
19, Rue de L'orme
1040 Brussels
PHONE: 734-1240 or 733-1264
TELEX: 61473 (ECCO B).

Contact: Mr. E. J. Bates
General Secretary

FOUNDED: 1977
MEMBERSHIP
7 associations which manufacture, distribute and use vegetable protein products for human consumption.
OBJECTIVES AND ACTIVITIES
To increase awareness, recognition and acceptance of vegetable protein products as foodstuffs and ingredients by food manufacturers and consumers and in legislation; to stimulate research and commercial development of wide range of vegetable protein products from sources such as soya, peas, beans, rapeseed, sunflower and cereals.

BRAZIL

ASSOCIACAO BRASILERIRA DAS INDUSTRIAS DE OLEOS VEGETAIS (ABIOVE)
(Brazilian National Processors Association

Avenida Paulista, 460-49 Andar
01310 Sao Paulo, S.P.
PHONE: 287-3433
TELEX: 32010 or 36020 (ABOV BR)

Contact: Mr. Raul Paulo Costa, President
or
Mr. Osmar Masson, General Secretary

FOUNDED: 1981
MEMBERSHIP
69 firms who represent the oilseed industry.

OBJECTIVES AND ACTIVITIES
To represent and support interests of Brazilian crushers and also collaborate with Brazilian public entities to aid development of socio-economic policies covering the sector.
PUBLICATIONS
ABIOVE Journal, monthly, free.
Organizational Brochure, free.

CENTRAL DE CO-OPS DE PRODS. RURAIS DO RIO GRANDE DO SUL LTDA. (CENTRALSUL)

Rua Gen. Andrade Neves, 106-15° Andar
90.000 Porto Alegre, R.S.
PHONE: 245000
TELEX: 1521

Contact: Mr. Theo Guthler
Commercial Director

FOUNDED: 1980
MEMBERSHIP
68 cooperatives.
OBJECTIVES AND ACTIVITIES
To support commerce and industralization in soybeans, rice and derivatives, and fertilizers and agricultural chemicals.
PUBLICATIONS
Interior, weekly, US$15/year.

CANADA

ONTARIO SOYA-BEAN GROWERS' MARKETING BOARD

180 Riverview Drive
Box 1199
Chatham, Ontario N7M 5L8
PHONE: 519-352-7730
TELEX: 064-78546 (CANSOY)

Contact: Mr. Maurice Waddick
Chairman
or
Mr. Fred Brandenburg
Acting Secretary Manager

FOUNDED: 1949
MEMBERSHIP
19,883 individual producers who market soybeans in Ontario.
OBJECTIVES AND ACTIVITIES
To regulate marketing of soybeans in Ontario. Negotiates terms and conditions of sales with dealers and processors. Does not conduct actual purchase and sale, though it has the power to do so.

ENGLAND

FEDERATION OF OILS, SEEDS AND FATS ASSOCIATIONS, LTD. (FOSFA, International)

24 St. Mary Axe
London EC3A 8ER
PHONE: 283-5511
TELEX: 8812757 (FOSFA G)

Contact: Mr. D. A. Reffold
Chief Executive
or
Mr. D. S. Dixon
Information Services

FOUNDED: 1971 (amalgamation of 4 earlier associations)
MEMBERSHIP
5 individuals, 500 firms. Full membership: engaged in or associated with trade in FOSFA commodities. Associate members: associated with the trade, but not actively trading. Analyst members: independent laboratories.
OBJECTIVES AND ACTIVITIES
To serve as international commodity trade association. Publish standard contracts and trade conditions, provide arbitration and information service, technical support and research.
PUBLICATIONS
FOSFA International Manual (including amendment service), always available, L77.50 to members, L232.50 to non-members.
FOSFA Handbook, annually, initial copy free to members, then L9 each; L18 to non-members.
Newsletter, quarterly, free to members only.
Commodity contracts and other publications, available on request, price details available on request.

THE SOYA BEAN MEAL FUTURES ASSOCIATION LTD. (GAFTA)

Baltic Exchange Chambers
24/28 St. Mary Axe
London, EC3A 8EP
PHONE: 283-5146 or 623-3996
TELEX: 8950392 (GAFTA G)

Contact: Mr. W. J. Englebright
Secretary

FOUNDED: 1975
MEMBERSHIP
55 firms. Associate members: companies or firms that meet criteria for paid up capital.
OBJECTIVES AND ACTIVITIES
To provide a market for soya bean meal futures.
PUBLICATIONS
SOMFA — Soyabean Meal, L0.30.
Futures Market.

FEDERAL REPUBLIC OF GERMANY

DEUTSCHE GESELLSCHAFT FUR FETTWISSENSCHAFT e.V.
(German Society for Fat Sciences)

Soester Strasse 13
D-4400 Munster
PHONE: 64745

Contact: Dr. Bruno W. Werdelmann, President
or
Dr. H. Bruening, Geschaeftsfuehrer

FOUNDED: 1936
MEMBERSHIP
300 individuals, 150 firms.
OBJECTIVES AND ACTIVITIES
To promote unity and common goals among different disciplines within the fats industry.
PUBLICATIONS
Fette.Seifen.Anstrichmittel, 14 times/year, DM358,40.

FACHVERBAND DER FUTTERMITTELINDUSTRIE e.V.
(Feed Manufacturers Association)

Buschstrasse 32
P.O. Box 190163
D-5300 Bonn 1
PHONE: 213001
TELEX: 886303

Contact: Dr. Volkward Koch
Chief Executive Officer

FOUNDED: 1918
MEMBERSHIP
153 firms. Regular membership: all companies producing mixed feed. Corresponding membership: ingredient producers.
OBJECTIVES AND ACTIVITIES
To provide support and information to members on issues of market policy, feed legislation, technical areas.
PUBLICATIONS
Kraftfutter, published monthly, DM125,20.
Bulletins for members.

MARGARINE-INSTITUT FUR GESUNDE ERNAHRUNG
(Margarine Institute for Healthy Nutrition)

Friesenweg 1
D-2000 Hamburg 50
PHONE: 882091

Contact: Mr. Peter A. Zanger
Director

FOUNDED: 1962
MEMBERSHIP
Margarine manufacturers and organizations with interests in margarine or its raw materials.

OBJECTIVES AND ACTIVITIES
To promote research on margarine and to inform different target groups about margarine.
PUBLICATIONS
PDM (Information Bulletin), 6 times/year, free

VERBAND DEUTSCHER OELMUEHLEN e.V.
(German Seed Crushers Association)

Kronprinzenstrasse 24
D-5300 Bonn 2
PHONE: 363056
TELEX: 885630 (OELVB D)

Contact: Mr. Hanno Juehe
Counselor

FOUNDED: 1900
MEMBERSHIP
20 firms representing industrial activity in oil milling and crushing business.
OBJECTIVES AND ACTIVITIES
To represent the industry and its interests.

VEREIN DER GETREIDEHAENDLER DER HAMBURGER BOERSE e.V.

Boerse, Kontor 24
D-2000 Hamburg 11
PHONE: 362025
TELEX: 213675

Contact: Dr. Ferdinand Kemme
General Director

FOUNDED: 1868
MEMBERSHIP
189 firms involved with grain handling.
OBJECTIVES AND ACTIVITIES
To promote and protect interests of members.

FINLAND

MARGARIINITEOLLISUUDEN TIEDOTUSKESKUS
(Information Center of Margarine Industry in Finland)

Mechelininkatu 8B
00100 Helsinki
PHONE: 408902

Contact: Mrs. Raija Kara

FOUNDED: 1962
MEMBERSHIP
5 firms; margarine factories in Finland.
OBJECTIVES AND ACTIVITIES
To prepare and distribute nutritional information about margarine and vegetable oils.

FRANCE

ASSOCIATION POUR LA PROMOTION INDUSTRIE-AGRICULTURE (APRIA)
(Association for Development of the Food Industry and Agriculture)

35, Rue de General-Foy
75008 Paris
PHONE: 293-1924

Contact: Mr. M. Dardenne
General Director

FOUNDED: 1961
MEMBERSHIP
30 individuals, 400 firms. Producers of raw materials used in food industry.
OBJECTIVES AND ACTIVITIES
To disseminate information, to recommend research, to study development of the industry, and to perfect production techniques.
PUBLICATIONS
Bulletin, 6 times/year, FF1 850 (members only).

CENTRE TECHNIQUE INTERPROFESSIONNEL DES OELEAGINEUX METROPOLITAINS (CETIOM)
(Association of French Oilseed Producers)

174, Avenue Victor Hugo
75116 Paris
PHONE: 505-1423

Contact: Mr. Emile Chone
Director

FOUNDED: 1957
MEMBERSHIP
100 individuals representing associations of oilseed producers in France.
OBJECTIVES AND ACTIVITIES
To perform applied production research for all oilseeds; extension; development.
PUBLICATIONS
Informations Techniques, published 4 times/year, FF50/year.
Bulletin Cetiom, 4 times/year, FF50/year.

CHAMBRE SYNDICALE DES NEGOCIANTS, IMPORTATEURS & EXPORTATEURS DE CORPS GRAS ET OLEAGINEUX
(French Association of Traders, Importers & Exporters for Fats & Oils)

8, Rue de Rome
75008 Paris
PHONE: 522-9617
TELEX: 650921 (FECHIM F)

Contact: Mr. Pierre Sellier
Secretary General

FOUNDED: 1940
MEMBERSHIP
8 firms involved with fats and oils trade.
OBJECTIVES AND ACTIVITIES
Promotion of trade of fats and oils.
PUBLICATIONS
Bulletin, monthly, exclusively for members.

FEDERATION NATIONALE DES INDUSTRIES DE CORPS GRAS
(Association of Oilseed Manufacturers)

10A, Rue de la Paix
75002 Paris
PHONE: 261-6154
TELEX: 230905 (STABILI PARIS)

Contact: Mr. Jean-Claude Barsacq
Secretary General

FOUNDED: 1943
MEMBERSHIP
7 organizations representing oilseed industry.
OBJECTIVES AND ACTIVITIES
Conduct research and disseminate information on utilization and other technical areas.
PUBLICATIONS
L'Industrie des Corps Gras, (statistics on the oilseed industry in France), annually, free.

INSTITUT DES CORPS GRAS (ITERG)
(Fats and Oils Research Institute)

10A, Rue de la Paix
75002 Paris
PHONE: 296-5029
TELEX: 230905

Contact: Mr. Aldo Uzzan
General Manager

FOUNDED: 1944
MEMBERSHIP
350 individuals, 200 French firms. Producers of fats, oils, margarine, soaps, oleochemicals, meal and vegetable proteins.

OBJECTIVES AND ACTIVITIES
Scientific and technical research and development on fats, oils and related products.
PUBLICATIONS
Revue Francaise des Corps Gras, monthly, FF715.

SYNDICAT GENERAL DES FABRICANTS D'HUILE ET DE TOURTEAUX DE FRANCE (French Association of Oilseed and Meal Manufacturers)

10A, Rue de la Paix
75002 Paris
PHONE: 261-5721
TELEX: 230905 (STABILI)

Contact: Mr. Jean-Claude Barsacq
Secretary General

MEMBERSHIP
10 firms. Processors and refiners.

INDIA

ANDHRA PRADESH OIL MILLERS' ASSOCIATION LTD.

15-2-677, Kishan Gunj
Post No. 1102
Hyderabad 500012, Andhra Pradesh
PHONE: 43057

Contact: Mr. A. V. Rajagopalan
Secretary

FOUNDED: 1967
MEMBERSHIP
263 firms. Manufacturers of vegetable oils or dealers and commission agents of vegetable oil and allied products.
OBJECTIVES AND ACTIVITIES
To serve the oil industry and trade, operate government-approved laboratory.
PUBLICATIONS
Annual Report, free.

THE BOMBAY OILSEEDS & OILS EXCHANGE LTD.

Jenabai Building
Yusuf Meheralli Road
P.O. Box 13009
Bombay 400003
PHONE: 324361 or 321510

Contact: Mr. G. K Shah
Secretary

FOUNDED: 1926
MEMBERSHIP
44 individuals, 419 firms. Crushers, exporters, dealers and brokers.
OBJECTIVES AND ACTIVITIES
To promote and protect interests of persons engaged and interested in trade or business of oilseeds, oils, oilcakes and manufactured products.
PUBLICATIONS
Oils & Oilseeds Journal, monthly, RS.50.00 (India), US$12, plus postage for foreign.
Daily bulletin, published daily, RS.300.00 (India).

THE CENTRAL ORGANIZATION FOR OIL INDUSTRY AND TRADE

Anna Bhavan, 3rd Floor
87-C Devji Rattansey Marg.
Bombay 400009
PHONE: 336607

Contact: Mr. R. C. Sheth
Secretary

FOUNDED: 1950
MEMBERSHIP
125 firms and 31 associations. Regular Members: firms engaged in oilseeds, vegetable oils and allied industries and trade. Associate members: firms and companies related to such industries or trade.

OBJECTIVES AND ACTIVITIES
To promote and protect interests of oilseeds, vegetable oils and allied industries and trade.
PUBLICATIONS
Annual Report, RS.30.

THE COMPOUND LIVESTOCK FEED MANUFACTURERS' ASSOCIATION OF INDIA (CLFMA)

111, Mittal Chambers, 11th Floor
228 Nariman Point
Bombay 400021
PHONE: 202-6103

Contact: Mr. K. M. Rao
Manager

FOUNDED: 1967
MEMBERSHIP
60 firms. Manufacturers of compound livestock feed.
OBJECTIVES AND ACTIVITIES
To promote animal husbandry through educational programs and projects.
PUBLICATIONS
CLFMA Newsletter, monthly.
CLFMA Link, quarterly.
Symposium literature.

THE GRAIN, RICE & OILSEEDS MERCHANTS' ASSOCIATION

Grainseeds House
72-80, Yusuf Meherali Road
Bombay 400003
PHONE: 324021, 324022 or 326864

Contact: Mr. Premji Velji Lakhamsi
President

FOUNDED: 1899
MEMBERSHIP
980 firms dealing in wholesale foodgrains, oilseeds and pulses.
OBJECTIVES AND ACTIVITIES
To represent interests and promote trade in foodgrains, oilseeds and pulses.
PUBLICATIONS
Vanijya, monthly, RS.10/year to members, RS.20/year to non-members.

INDIAN OIL AND PRODUCE EXPORTERS ASSOCIATION (IOPEA)

78/79, Bajaj Bhawan
Nariman Point
Bombay 400021
PHONE: 202-3225 or 202-9295
TELEX: 5637 (IOPE)

Contact: Mr. G. Chandrashekhar
Secretary

FOUNDED: 1956
MEMBERSHIP
250 firms. Exporters of HPS groundnuts, oilseeds or oils, or firms with related export activities.
OBJECTIVES AND ACTIVITIES
To monitor and promote export of oilseeds, serve as liaison with the government.

INDIAN VEGETABLE OIL EXPORTS ASSOCIATION

c/o IOPEA
78/79, Bajaj Bhawan
Nariman Point
Bombay 400021
PHONE: 202-3225 or 202-9295
TELEX: 5637 (IOPE)

Contact: Mr. G. Chandrashekhar
Secretary

FOUNDED: 1976
MEMBERSHIP
28 firms which export vegetable oil or are closely connected with export operations.
OBJECTIVES AND ACTIVITIES
To promote export of vegetable oils with emphasis on castor oil and its derivatives; liaison with the government of India.

THE MADRAS OIL AND SEEDS ASSOCIATION

6, Francis Joseph Street
P.O. Box 1639
Madras 600001
PHONE: 23318

Contact: Mr. T. R. Thambu Reddi
Secretary

FOUNDED: 1946
MEMBERSHIP
11 individuals, 161 firms. Manufacturers and processors of oilseeds, oils and oilcakes.
OBJECTIVES AND ACTIVITIES
To provide information services, analysis of oilseeds, oil and cakes, daily price levels.
PUBLICATIONS
Annual Report, free.
Daily market reports, RS.120/year.

OILS & SEEDS IMPORTERS ASSOCIATION OF INDIA

c/o IOPEA
78/79, Bajaj Bhawan
Nariman Point
Bombay 400021
PHONE 202-3225 or 202-9295
TELEX: 5637 (IOPE)

Contact: Mr. G. Chandrashekhar
Secretary

FOUNDED: 1977
MEMBERSHIP
40 firms. Importers of vegetable oils or oilseeds or associated with import operations. Processors of oils and seeds.
OBJECTIVES AND ACTIVITIES
To coordinate imports of oils and seeds; liaison with the government of India and other statutory departments.

SHRI SAURASHTRA OIL MILLS ASSOCIATION, JAMNAGAR (SOMA)

Shri M.P. Shah Municipal Industrial Estate
Sharu Section Road
Jamnagar 361002
PHONE: 72184 or 72554
GRAM: OILMILLERS (SOMA)

Contact: Mr. H. H. Patel
Chief Executive

FOUNDED: 1948
MEMBERSHIP
151 firms. Oil mills and solvent extraction plants.
OBJECTIVES AND ACTIVITIES
To promote and develop industries relating to oils, oilseeds, oilcakes, etc.

THE VANASPATI MANUFACTURERS' ASSOCIATION OF INDIA

108, Akash Deep Building
26-A, Barakhamba Road
New Delhi 110001
PHONE: 42640
TELEX: 3012 (VMAI IN)

Contact: Mr. G. K. Sood
Chief Executive

FOUNDED: 1939
MEMBERSHIP
55 firms. Manufacturers of vanaspati (hydrogenated oils).
OBJECTIVES AND ACTIVITIES
To promote interests of the vanaspati industry.

VEGETABLE OILS ASSOCIATION OF INDIA

Anna Bhavan, 3rd Floor
87 C Devji Rattansey Marg
Bombay 400009
PHONE: 33o607

Contact: Mr. R. C. Sheth
Secretary

FOUNDED: 1946
MEMBERSHIP
25 firms. Oilseeds crushers, vegetable oil refiners or manufacturers of fatty acids.
OBJECTIVES AND ACTIVITIES
To promote and protect interests of the oilseeds crushing industry, vegetable oil refining industry and fatty acid manufacturing industry and constituent members of the association.
PUBLICATIONS
Annual Report, free.

INDONESIA

GABUNGAN PERUSAHAAN MAKANAN TERNAK INDONESIA (Indonesian Feedmills Association)

Jl. Gunung Sahari Raya No. 2A
Jakarta-Pusat
PHONE: 621917 or 650381

Contact: Dr. Djalil Sumawidjaja
Chairman

FOUNDED: 1973
MEMBERSHIP
Government licensed feedmills.
OBJECTIVES AND ACTIVITIES
To improve cooperation between feedmills and serve as liaison between government and feedmills.
PUBLICATIONS
Poultry Indonesia, monthly, RP 6.000/year.

PERSATUAN AHLI GIZI INDONESIA (PERSAGI) (Indonesian Nutrition Association)

Nutrition Research and Development Centre
Dr. Sumeru Street Kompleks Gizi
Bogor 16112
PHONE: 21763
TELEX: NUTRISEARCH

Contact: Mr. Edy Sutanto

FOUNDED: 1957
MEMBERSHIP
Approximately 1,000 individuals. Nutritionists and university graduates active in field of nutrition.
OBJECTIVES AND ACTIVITIES
To improve individual and family life through better nutrition.
PUBLICATIONS
Gizi Indonesia, (Nutrition Indonesian Journal), semi-annually, US$8/year.
Bulletin Gizi, (Nutrition Bulletin), quarterly, US$12/year.

ITALY

ASSOCIAZIONE ITALIANA DELLA INDUSTRIA OLEARIA (ASSITOL) (Italian Oil Industry Association)

3, Via del Governo Vecchio
00186 Rome
PHONE: 543251
TELEX: 610552 (ASSIOL I)

Contact: Dr. Angelo Artale

FOUNDED: 1972
MEMBERSHIP
Approximately 100 firms involved with olive oil, seed oil, technical oils, refined olive residue oil, margarine, vegetable proteins, semi-raw materials and improvers for bakery and confectionery industry.
OBJECTIVES AND ACTIVITIES
To represent member firms and their interests.
PUBLICATIONS
Bulletin, monthly, members only.

JAPAN

NIHON SHOYU KYOKAI
(The Japan Soy Sauce Brewers' Association)

No. 11-3, Koami-Cho
Nihonbashi
Chuo-Ku, Tokyo
PHONE: 666-3286

Contact: Mr. Masataka Komiya
Deputy President

FOUNDED: 1948
MEMBERSHIP
5 firms and 1 organization (representing 3,000 companies). Soy sauce manufacturers in Japan.
OBJECTIVES AND ACTIVITIES
To exchange information, promote and unify Japan's soy sauce industry.

YURYOU YUSHUTSUNYU KYOGIKAI
(The Japan Oil & Fat Importers & Exporters Association — JOFIEA)

Kyodo Bldg., 6th Floor
Shin Horidome
10-12, 1 chome
Nihonbashi Horidome
Chuo-ku, Tokyo 103
PHONE: 662-9821

Contact: Mr. Kouichi Shirahama
Chairman

FOUNDED: 1951
MEMBERSHIP
23 firms. Importers and exporters of oilseeds, oils and fats.
OBJECTIVES AND ACTIVITIES
To coordinate import and export transactions for soybeans, oilbearing seeds and its complex.
PUBLICATIONS
Statistics of Oilseeds, Oils & Oilcakes, annually, free.

MALAYSIA

MALAYSIAN FEEDMILLERS ASSOCIATION

155B, Jalan Maharajalela
Kuala Lumpur 08-02
PHONE: 421519

Contact: Ms. Anne Yap
Executive Secretary

FOUNDED: 1970
MEMBERSHIP
18 firms. Persons, companies, firms or corporations in feedmilling business.
OBJECTIVES AND ACTIVITIES
To negotiate with any government or statutory bodies on legislation, bylaws or regulations affecting feedmillers. To maintain and provide forum for the exchange of ideas, and general and technical information.

NETHERLANDS

COMITE EETBAAR PLANTAARDIG EIWIT (CEPE)
(Committee on Edible Vegetable Protein)

Raamweg 44
2596 HN The Hague
PHONE: 468812
TELEX: 32616 (OVEMA)

Contact: Mr. C.J.M. Meershoek
Secretary

FOUNDED: 1976
MEMBERSHIP
9 firms. Companies producing, dealing in or using vegetable proteins.
OBJECTIVES AND ACTIVITIES
To promote use and inform users and consumers of vegetable proteins, and cooperate with public health authorities on favorable protein food legislation.

NETHERLANDS OILS, FATS AND OILSEEDS TRADE ASSOCIATION (NOFOTA)

P.O. Box 22105
3003 DC Rotterdam
PHONE: 110280
TELEX: 24377 (CLAR NL)

Contact: Mr. R. van Delden, Secretary
or
Mr. P. W. van Baal, Assistant Secretary

FOUNDED: 1918
MEMBERSHIP
274 firms. Producers and traders of oils, fats and oilseeds.
OBJECTIVES AND ACTIVITIES
To provide arbitration and issue contracts.

OILS, FATS & OILSEEDS BROKERS' ASSOCIATION (OFOBA)

P.O. Box 22105
3003 DC Rotterdam
PHONE: 110280
TELEX: 24377 (CLAR NL)

Contact: Mr. R. van Delden, Secretary
or
Mr. P. W. van Baal, Assistant Secretary

FOUNDED: 1950
MEMBERSHIP
17 firms. Oils, fats and oilseeds brokers.
OBJECTIVES AND ACTIVITIES
To promote the interests of members.

VERENIGING VAN NEDERLANDSE FABRIKANTEN VAN EETBARE OLIEN EN VETTEN (VERNOF) (Dutch Seed Crushers and Oil Processors Association)

Raamweg 44
2596 HN The Hague
PHONE: 468812
TELEX: 32616 (OVEMA)

Contact: Mr. C.J.M. Meershoek
Executive Director

FOUNDED: 1912
MEMBERSHIP
10 firms. Seed crushers or oil processors.
OBJECTIVES AND ACTIVITIES
To represent the economic interests of member companies.

PHILIPPINES

PHILIPPINE ASSOCIATION OF FEED MILLERS, INC.

Rm. 302, Maligaya Bldg. III
430 E. Rodriguez Sr. Blvd.
Cubao, Quezon City
PHONE: 721-5991

Contact: Mr. Augusto L. de Leon
President

FOUNDED: 1951
MEMBERSHIP
11 firms. Manufacturers of animal feeds.
OBJECTIVES AND ACTIVITIES
To promote, protect and benefit animal feeds industry. To cooperate with the government especially with respect to developing Philippine livestock industry.

PORTUGAL

ASSOCIACAO PORTUGUESA DOS INDUSTRIAS DE ALIMENTOS COMPOSTOS PARA ANAMAIS (IACA)
(Portuguese Feed Compounds Manufacturers Association)

Av. 5 de Outubro, 21-2° Esq.
1000 Lisbon
PHONE: 535091, 535092 or 535093
TELEX: 42510 (IACA P)

Contact: Mr. Luis Elso de Sousa Marques
General Secretary

FOUNDED: 1975
MEMBERSHIP
2 individuals and 91 firms. Certified feed compounds manufacturers.
OBJECTIVES AND ACTIVITIES
To promote feed compounds production. Survey markets. Provide studies and information on raw materials, animal feed legislation, general economics questions.
PUBLICATIONS
Informacao 1, twice each month.
Informacao 2, irregularly.

SENEGAL

INSTITUT DE TECHNOLOGIE ALIMENTAIRE
(Food Technology Institute)

Route des Peres
Maristes BP2765
Hann-Dakar
PHONE: 220070

Contact: Mr. Ousmane Kane
Director

FOUNDED: 1963
MEMBERSHIP
105 individuals.
OBJECTIVES AND ACTIVITIES
Research on food technology; transportation and storage of agricultural and local products.
PUBLICATIONS
Technical reports.

SPAIN

ASOCIACION ESPANOLA DE FABRICANTES DE MARGARINAS
(Spanish Association of Margarine Manufacturers)

Apartado 791
48080 Bilbao
PHONE: 463-4400
TELEX: 32737

Contact: Mr. F. Javier Herrero-Valarde
President

FOUNDED: 1977
MEMBERSHIP
11 firms. Manufacturers of margarines and other edible fats.
OBJECTIVES AND ACTIVITIES
To defend industry's interest within the market structure and in relations and contacts with official bodies.

CONFEDERACION ESPANOLA DE FABRICANTES DE PIENSOS COMPUESTOS
(Spanish Association of Feed Manufacturers)

Avenida de Bruselas No. 38
P.O. Box 20131
28080 Madrid
PHONE: 256-4088, 256-4229 or 256-4126
TELEX: 27270 (GRUPI)

Contact: Mr. Angel Fernandez Rojas

FOUNDED: 1972
MEMBERSHIP
350 firms.
OBJECTIVES AND ACTIVITIES
To defend the interests of feed manufacturers.

SWEDEN

FORENINGEN SVENSKA MARAGRINTILLVERKARE
(Federation of Swedish Margarine Manufacturers)

Box 5501
S-11485 Stockholm
PHONE: 783-8000
TELEX: 19990 (SWEDIND S)

Contact: Mr. Goran Holmqvist
Director General

FOUNDED: 1982
MEMBERSHIP
3 firms. Margarine manufacturers.

MARGARINFO
(Information Council of the Swedish Margarine Industry)

Box 720
S-25107 Helsingborg
PHONE: 42-182910
TELEX: 8335012 (MARG S)

Contact: Dr. Helmut Korp
Director

FOUNDED: 1983
MEMBERSHIP
2 individuals, 3 firms. Membership in the Swedish Margarine Producers Association.
OBJECTIVES AND ACTIVITIES
To promote the use of margarine in Sweden. Production of educational materials as books, video tapes, etc.

TAIWAN

TAIWAN MARGARINE INDUSTRIES ASSOCIATION

64 Kai-Feng Street, Sec. 2
Taipei
PHONE: 361-0611 or 361-0612

Contact: Mr. K. C. Hsu
General Secretary

FOUNDED: 1977
MEMBERSHIP
Manufacturers of margarine, shortening or involved with animal oil refining.
OBJECTIVES AND ACTIVITIES
To act as liaison between government and members; to coordinate and provide information to members.

TURKEY

IZMIR EXPORTERS ASSOCIATION

1375 Sokak No. 25 K.3
Alsancak-Izmir
PHONE: 218699 or 218703
TELEX: 52192 (IZIB TR)

Contact: Mr. Muzaffer Golpan
Secretary General

MEMBERSHIP
285 export firms.
OBJECTIVES AND ACTIVITIES
To act as governmental agency. Issue export statistics, export licenses, market information.
PUBLICATIONS
Export statistics, weekly and monthly, free.

YUGOSLAVIA

POSLOVNA ZAJEDNICA INDUSTRIJE STOCNE HRANE
(Feed Manufacturers Association)

Gunduliceva 45
P.O. Box 609
41000 Zagreb
PHONE: 442215
TELEX: 21203

Contact: Mr. Petar Delic
or
Dr. Krunoslav Kos, Science Director

FOUNDED: 1955
MEMBERSHIP
78 firms involved in animal feeding, feed manufacturing.
OBJECTIVES AND ACTIVITIES
To organize conferences, meetings on issues of animal feeding and feed production. Promote international cooperation, trade in feed industry.
PUBLICATIONS
Krmiva, monthly, US$50/year.

UNITED STATES DEPARTMENT OF AGRICULTURE (USDA)

The U.S. Department of Agriculture is only one department of the U.S. government whose activities impact the soybean industry. The USDA, like other departments, is comprised of many divisions. Division activities range from information and research to regulation. Some of the divisions and sub-divisions most directly related to the soybean industry follow. (This is a partial listing.) A current, complete listing of federal departments and agencies is available by subscription to the **Federal Yellow Book,** from The Washington Monitor, Inc., 1301 Pennsylvania Ave., NW, Washington, DC 20004 (Phone: 202/347-7757).

Personnel in the Department of Agriculture may be contacted at the USDA main office address, unless otherwise noted:

U.S. Department of Agriculture
14th Street & Independence Ave., SW
Washington, DC 20250

OFFICE OF SECRETARY – John R. Block, Secretary; Richard E. Lyng, Deputy Secretary

Economics Division

Economic Research Service – John E. Lee, Jr. Administrator
(GHI Bldg., 500 12th St., SW, Washington, DC 20250)
International Economics Div. – T. Kelley White, Director
National Economics Division – Milton Ericksen, Crop. Br Chief

Statistical Reporting Service – William E. Kibler, Administrator
(So. Ag Building, Independence Ave. between 12th and 14th Sts., Washington, DC 20250)

Food & Consumer Services

Human Nutrition Information Service – Isabel Wolf, Administrator
(Federal Bldg., 6505 Belcrest Rd., Hyattsville, MD 20782)

International Affairs & Commodity Programs

Office of Undersecretary – Daniel G. Amstutz, Undersecretary

Commodity Credit Corporation

Foreign Agricultural Service – Richard A. Smith, Administrator
(So. Ag Bldg., Independence Ave. between 12th and 14th Sts., Washington, DC 20250)
General Sales Mgr. & Associate Administrator – Melvin E. Sims
Commodity & Mktg. Programs – Jimmy D. Minyard
Export Program Division – Robert J. Wicks, Dir.
Grain & Feed Division – Donald Novotny, Director
Oilseeds & Products Div. – Phil Mackie, Director
– Richard T. McDonnell, Dep. Dir. for Analysis
– Gerald Harvey, Dep. Dir. for Marketing

Marketing & Inspection Services

Agricultural Marketing Service – Vern F. Highley, Administrator
(So. Ag Bldg., Independence Ave., between 12th and 14th Sts., Washington, DC 20250)

Federal Grain Inspection Service – Kenneth A. Gilles, Administrator
(So. Ag Bldg., Independence Ave., between 12th and 14th Sts., Washington, DC 20250)

Office of Transportation – Martin F. Fitzpatrick, Director
(Auditors Bldg., 14th & Independence Ave., SW, Washington, DC 20250)

Natural Resources & Environment

Soil Conservation Service – Peter C. Myers, Chief
(So. Ag Bldg., Independence Ave., between 12th and 14th Sts., Washington, DC 20250)

Science & Education

Agricultural Research Service — Terry B. Kinney, Jr., Admin.

Cooperative State Research Service — John Patrick Jordan, Admin.

Extension Service — Mary Nell Greenwood, Administrator

National Agricultural Library — Joseph H. Howard, Director
(Natl. Ag Library Bldg., Beltsville, MD 20705)

USDA FOREIGN AGRICULTURAL SERVICE

AGRICULTURAL COUNSELORS & ATTACHES

C/O American Embassy in city listed –

ALGERIA – John H. Wilson (Attache), Algiers

ARGENTINA, URUGUAY – Lawrence E. Hall (Attache), Buenos Aires

AUSTRALIA – Dale B. Douglas (Counselor), Canberra

AUSTRIA, HUNGARY, CZECHOSLOVAKIA – James K. Freckman (Counselor), Vienna

BANGLADESH – Robert E. Haresnape (Attache), Dhaka

BELGIUM, LUXEMBOURG – Roger S. Lowen (Counselor), Brussels

BRAZIL – James Truran (Attache), Brasilia

CANADA – Alexander Bernitz (Counselor), Ottawa

CHILE – Lawrence (Bob) Fouchs (Attache), Santiago

CHINA, PEOPLE'S REPUBLIC OF – Norman R. Kallemeyn (Counselor), Beijing

COLOMBIA – Lloyd I. Holmes (Counselor), Bogota

COSTA RICA, PANAMA – Max F. Bowser (Attache), San Jose

DENMARK, NORWAY – Edmund L. Nichols (Counselor), Copenhagen

DOMINICAN REPUBLIC, HAITI, JAMAICA – Marvin Lehrer (Attache), Santo Domingo

ECUADOR – Leonidas (Bill) Emerson, Jr. (Attache), Quito

EGYPT, ARAB REPUBLIC OF – Gerry Harvey (Counselor), Cairo

FRANCE – Ernest Koenig, (Counselor), Paris

GERMAN DEMOCRATIC REPUBLIC – William P. Huth (Attache), Berlin

GERMANY, FEDERAL REPUBLIC OF – Richard L. Barnes (Counselor), Bonn

GREECE, ISRAEL, CYPRUS – Gerald W. Shelden (Counselor), Athens

GUATEMALA, BELIZE, EL SALVADOR, HONDURAS, NICARAGUA – Robert Anlauf (Attache), Guatemala City

INDIA, SRI LANKA – W. Garth Thorburn (Counselor), New Delhi

INDONESIA – Robert M. McConnell (Counselor), Jakarta

IRELAND – Pitamber (Dev) Devgon (Attache), Dublin

ITALY – James P. Rudbeck (Counselor), Rome

IVORY COAST, LIBERIA, GUINEA, SENEGAL, SIERRA LEONE, ZAIRE – James M. Benson (Attache), Abidjan

JAPAN – William L. Davis, Jr. (Counselor), Tokyo

KENYA, ZAMBIA, TANZANIA – Harold Norton (Attache), Nairobi

KOREA – Daniel B. Conable (Counselor), Seoul

MALAYSIA – Frank Tarrant (Attache), Kuala Lumpur

MEXICO – John E. Montel (Counselor), Mexico City

MOROCCO – Forrest K. Geerken (Attache), Rabat

NETHERLANDS – Rolland E. Anderson (Counselor), The Hague

NEW ZEALAND – John J. Reddington (Attache), Wellington

NIGERIA, GHANA, CAMEROON – Christopher Goldthwait (Attache), Lagos

PAKISTAN – William Brandt (Attache), Islamabad

PERU, BOLIVIA – Kenneth L. Murray (Attache), Lima

PHILIPPINES – Verle E. Lanier (Counselor), Manila

POLAND – Frank A. Coolidge (Attache), Warsaw

PORTUGAL – Mollie J. Iler (Counselor), Lisbon

ROMANIA, BULGARIA – Thomas B. O'Connell (Attache), Bucharest

SOUTH AFRICA, LESOTHO, BOTSWANA, AFRICA, SWAZILAND – Guy L. Haviland (Counselor), Pretoria

SPAIN – Fred W. Traeger (Counselor), Madrid

SWEDEN, FINLAND – Shackford Pitcher (Attache), Stockholm

SWITZERLAND – Mattie R. Sharpless (Attache), Bern

SYRIA, LEBANON, JORDAN, IRAQ – Clyde E. Gumbmann (Attache), Damascus

THAILAND – Thomas Slayton (Attache), Bangkok

TURKEY – Alfred R. Persi (Attache), Ankara

UNION OF SOVIET SOCIALIST REPUBLICS (USSR) – Weyland Beegly (Attache), Moscow

UNITED KINGDOM, GREAT BRITAIN, NORTHERN IRELAND – Turner Oyloe (Counselor), London

VENEZUELA, BARBADOS, GUYANA, NETHERLANDS ANTILLES, SURINAM, TRINIDAD, TOBAGO – Harry C. Bryan (Counselor), Caracas

YUGOSLAVIA – Harlan J. Dirks (Counselor), Belgrade

UNITED STATES GOVERNMENT INDEPENDENT AGENCIES

The following are some of the federal agencies (who operate separately from the U.S. Department of Agriculture) whose activities directly affect the soybean industry. This is a partial list; information on these and additional agencies are contained in the **Federal Yellow Book,** available from The Washington Monitor, Inc., 1301 Pennsylvania Ave., NW, Washington, DC. 20004 (Phone 202/347-7757).

Commodity Futures Trading Commission, 2033 K Street, NW, Washington, DC 20581.

Export-Import Bank of the U.S., 811 Vermont Ave., NW, Washington, DC 20571.

Federal Maritime Commission, 1100 L Street, NW, Washington, DC 20573.

Federal Trade Commission, 6th Street and Pennsylvania Ave., NW, Washington, DC 20580.

International Development Cooperation Agency (AID), State Department Bldg., 320 21st Street, NW, Washington, DC 20523.

International Trade Commission, 701 E Street, NW, Washington, DC 20436.

Interstate Commerce Commission, 12th Street and Constitution Ave., NW, Washington, DC 20423.

U.S. AGRICULTURAL EDUCATION, RESEARCH & EXTENSION

The U.S. government (through the Morrill Act of 1862) provided means to support agricultural education in all states and Puerto Rico. Legislation in 1887 (the Hatch Act) established financial aid for research centers to specifically conduct scientific investigation to improve farming, which led to the development of agricultural experiment stations. In 1914, the Smith Lever Act provided a mechanism for cooperative funding by federal, state and county governments to support the Cooperative Extension Service. The purpose of the extension service is to communicate information to the farmer.

The interrelationship of agricultural teaching, research and extension work is a function of state agricultural universities. Inquiries on soybean-related topics should be directed to the institutions listed below.

ALABAMA

Alabama Agricultural and Mechanical University, School of Agriculture and Home Economics, P.O. Box 202, Normal 35762. Ph. 205/859-7244.

Dean of Agriculture: James W. Shuford
Department Heads:
- Agribusiness Education – Prince Preyer
- Community Planning – Donald Outland
- Food Science & Animal Industries – Gopal R. Sunki
- Natural Resources & Environmental Studies – Govind C. Sharma

Associate Dean for Home Economics: Virginia Caples Batts
Associate Dean for Research: McArthur Floyd
Associate Dean for Extension: James I. Dawson
Soybean Breeder: V. T. Sapra

Auburn University, School of Agriculture & Biological Sciences, Auburn University 36849. Ph. 205/826-2345.

Dean of Agriculture: Robert A. Voitle
Department heads:
- Agronomy & Soils – Richard L. Guthrie
- Botany, Plant Pathology & Microbiology – Robert T. Gundauskas
- Fisheries & Allied Aquaculture – E. Wayne Shell
- Zoology & Entomology – John F. Pritchett

Experiment Station Dean & Director: Gale A. Buchanan
Soybean Extension Specialist: John B. Henderson
Soybean Breeder: David B. Weaver

ARIZONA
University of Arizona, College of Agriculture, Tucson 85721.

Dean of Agriculture: Bartley P. Cardon
Department Head:
Plant Sciences – B. Brooks Taylor
Experiment Station Director: Leonard W. Dewhirst
Soybean Extension Specialist: E. Stanley Heathman
Soybean Breeder: David D. Rubis

ARKANSAS
University of Arkansas, College of Agriculture & Home Economics, 205 Agriculture Bldg., Fayetteville 72701. Ph. 501/575-2252.

Dean of Agriculture: Glenn W. Hardey
Department Heads:
Agricultural Economics & Rural Sociology – Robert Shulstad
Agricultural Engineering – Otto Loewer
Agronomy – Fred Miller
Animal Science – Wayne Kellog
Entomology – G. Musick
Home Economics – Charlene Mooty
Horticulture & Forestry – G.A. Bradley
Plant Pathology – D. A. Slack
Food Science – A. A. Kattan
Agricultural & Extension Education – Nolan Arthur
Experiment Station Director: Dr. Preston Laferney
Soybean Specialist: Charles Caviness

COLORADO
Colorado State University, College of Agricultural Sciences, 121 Shephardson Bldg., Fort Collins 80523. Ph. 303/491-1101.

Dean of Agriculture: Merle H. Niehaus
Department Heads:
Agricultural & Natural Resource Economics – Kenneth C. Nobe
Agronomy – Wayne F. Keim
Animal Sciences – David R. Ames
Entomology – John C. Capinera
Food Science & Human Nutrition – G. Richard Jansen
Horticulture – Kenneth M. Brink
Plant Pathology & Weed Science – Gary A. McIntyre
Experiment Station Director: Robert D. Heil
Soybean Extension Specialist: James W. Echols

CONNECTICUT
University of Connecticut, College of Agriculture & Natural Resources, Storrs 06268. Ph. 203/486-2917.

Dean of Agriculture: Hugo H. John
Department Heads:
Agricultural Economics & Rural Sociology – R. L. Leonard
Agricultural Engineering – R. A. Aldrich
Animal Genetics – L. Pierro
Animal Science – L. Schake
Nutritional Sciences – Kirvin Knox
Pathobiology – H. W. Renshaw
Plant Science – E. Emino
Renewable Natural Resources – James Bethune
Experiment Station Director: Hugo H. John
Experiment Station Associate Director: Louis Pierro
Extension Service Associate Director: Anne Rideout

DELAWARE
University of Delaware, College of Agricultural Sciences, Newark 19717-1303. Ph. 302/451-2501.

Dean of Agriculture: Donald F. Crossan
Department Heads:
Agricultural & Food Economics – Gerald Cole
Agricultural Engineering – Norman Collins
Animal Science – John Rosenberger
Entomology & Applied Ecology – Paul Burbutis
Plant Science – Allen Morehart

Experiment Station Director: Donald F. Crossan
Extension Service Director: Richard Fowler
Extension Agronomist (corn & soybeans) – Richard Taylor

FLORIDA
University of Florida, Institute of Food & Agricultural Sciences, Gainesville 32611. Ph. 904/393-1971.

Vice President for Agricultural Affairs: K. R. Terfertiller
Deans:
Extension – J. T. Woeste
Research – F. A. Wood
Resident Instruction – G. L. Zachariah
Agromony Department Chairman: C. E. Dean
Soybean Production Specialist: C. K. Hiebsch
Soybean Breeder: K. Hinson

GEORGIA
University of Georgia, College of Agriculture, 101 Conner Hall, Athens 30602. Ph. 404/542-3924.

Dean of Agriculture: William P. Flatt
Department Heads:
Agricultural Economics – S. J. Brannen
Agricultural Engineering – R. H. Brown
Agronomy – W. L. Colville
Extension Agronomy – James F. Miller
Animal/Dairy Science – D. G. Spruill
Entomology – T. D. Canerday
Food Science – J. A. Christian
Horticulture – C. H. Hendershott
Plant Pathology – W. N. Garrett
Poultry Science – (vacant)
Experiment Station Director: Clive Donoho, Jr.
Soybean Extension Specialist: John Woodruff
Soybean Breeder: Roger Boerma

HAWAII
University of Hawaii, College of Tropical Agriculture and Human Resources, Institute of Tropical Agriculture and Human Resources, 202 Gilmore, 3050 Maile Way, Honolulu 96822. Ph. 808/948-8234.

Dean of Agriculture: N. P. Kefford
Institute Director: Chauncey T. K. Ching
Agricultural & Applied Behavioral Sciences Research Director: Ada Demb
Cooperative Education Services Assistant Director: Yukio Kitagawa

ILLINOIS
Southern Illinois University, School of Agriculture, Carbondale 62901.

Dean of Agriculture: G. H. Kroening
Department Heads:
Agribusiness Economics – William Herr
Agricultural Education & Mechanization – James Legacy
Animal Sciences, Food & Nutrition – Anthony Young
Forestry – George Weaver
Plant & Soil Science – Farrell Olsen
Associate Dean for Research: James A. Tweedy
Soybean Breeder: Oval Myers, Jr.

University of Illinois, College of Agriculture, Urbana 61801. Ph. 217/333-3420.

Dean of Agriculture: John R. Campbell
Department Head:
Agronomy – L. E. Schrader
Experiment Station Director: D. A. Holt
Soybean Extension Specialist: Gary Pepper
Soybean Breeder: Cecil Nickell

INDIANA
Purdue University, School of Agriculture, Agricultural Administration Bldg., West Lafayette 47907.

Dean of Agriculture: B. J. Liska
Department Heads:
Agricultural Economics – W. D. Dobson

GOVERNMENT TRADING AGENCIES

★Updated listing

In many countries the importation of soybeans and processed products is conducted or regulated by a government entity. The following are those agencies known by SOYA BLUEBOOK editors to be the exclusive or principal importer of soybeans or soybean products in their appropriate country. For additional information regarding the country of your concern, BLUEBOOK editors suggest contacting the American Soybean Association country director in the appropriate region. (See following map.)

BANGLADESH — Bangladesh Sugar and Food Industries Corporation (BSFIC), Shilpa Bhavan, Motijheel C.A., Dhaka-2.
CONTACT: Badiul Alam, Director of Marketing
(Importer of crude degummed soy oil; private refineries also import goods.)

BRAZIL — Companhia de Financiamento da Producao, Ministerio da Agricultura, Av. W-3 Norte, Quadra 514, Bloco B, 70.760 Brasilia, D.F., Ph. 272-0187; TLX: 061-1110.
CONTACT: Francisco Jose Villela Santos, Presidente

★CACEX/DEALI, Banco do Brasil, Av. Rio Branco, 65/Sala 1804, 20091 Centro, RJ.
CONTACT: Alencar D'Avila Magalhaes

★INTERBRAS, Rua 1º de Marco, 23/4º, 20010 Rio de Janeiro, R.J.
CONTACT: Gunther Heinrich Hennies

CHINA (People's Republic of China) — Ministry of Foreign Trade, Beijing.

COLOMBIA — ★IDEMA, Carrera 10, No. 16-82, Bogota, D.E., 283-3084.
CONTACT: General Manager

COSTA RICA — Consejo Nacional de Produccion (CNP), Apartado 2205, San Jose, Ph. 23-6033.
CONTACT: Horacio Zuniga, General Manager
(Importer of soybeans.)

ECUADOR — ★Empresa Nacional de Almacenamiento y Comercializacion (ENAC), Av. Eloy Alfaro y Amazonas, Edificio MAG — 2do. Piso, Quito.
(Import/export, domestic crop support, whole crop marketing.)

★Empresa Nacional de Productos Vitales (ENPROVIT), Av. Eloy Alfaro y Amazonas, Edificio MAG — 3er. Piso, Quito.
(Import/export retail marketing.)

EGYPT — General Authority for Supply Commodities, 24 Gomhoria Street, Cairo, Ph. 937175; TLX: 2062.
CONTACT: Ministry of Supply and Home Trade
(Importer of soy oil; soy meal and whole beans are purchased by the private sector.)

GERMAN DEMOCRATIC REPUBLIC (East Germany) — Nahrung Export-Import, DDR 1020 Berlin, Schicklerstr 7, Berlin, Ph. 21480; TLX: 114893.
CONTACT: Manfred Wolf, General Director
(Sole importer of soybeans and soybean products.)

INDIA — State Trading Corporation of India, Ltd., Chandrolok 36 Janpeth, New Delhi 110001, Ph. 322204; TLX: ND 2167-68-3057; CABLE: ESTICI.

INDONESIA — ★BULOG (National Logistic Agency), Jalan Jenderal Gatot Subroto Kav. 49, Jakarta, Ph. 512209; TLX: 79644303.
CONTACT: Bustanil Arifin, Chairman or Sukriya Atmaja, Vice Chairman

P.T. WOTRACO (P.T. Berdikari Group), Jalan Hayam Wuruk 103-104, Jakarta Barat, Ph. 636633 or 334455; TLX: 41311 (BERDIK IA).
CONTACT: H. Ahmad Nurhani, Vice President
(Domestic distribution of soybeans.)

IRAQ — State Enterprise for Vegetable Oils, P.O. Box 2378, Baghdad, Ph. 95171; TLX: 2221.
CONTACT: Jaffer Saber, Director General
(Importer of soybean oil.)

State Establishment for Feed, P.O. Box 17, New Baghdad, Ph. 4531; TLX: 212345.
CONTACT: H. Al Saidi, Director General
(Importer of soybean meal.)

—Raw soybeans are purchased by the private sector—

ISRAEL — ★Israeli Buying Mission, 800 Second Ave., New York, NY 10017, U.S.A.
(Central buying office, however, companies in Israel are able to purchase soybeans and soybean products privately.)

KENYA — National Cereals and Produce Board, P.O. Box 30586, Nairobi, Ph. 555288/555708; TLX: 22769 (MARKETER).
CONTACT: William K. A. Kikwai, Managing Director

KOREA — Office of Supply for Republic of Korea, 48-26 Eui-Dong, Chongro-ku, Seoul, Ph. 764-0713; TLX: 23703 (OSROK).
CONTACT: Chong Seok Yoo, Director of Foreign Affairs
(Soybeans, government stock only.)

Agriculture and Fishery Development Corporation, 65-228 Hankang-ru 3 Ka, Yongsan-ku, C.P.O. Box 3212, Seoul, Ph. 794-2027; TLX: 23297 (AAFDC K).
CONTACT: Yong Kyun Cho, Director of Trading
(Bean sprouts.)

Korea Soybean Curd Cooperative Federation, 198-1 Kwanhoon-Dong, Chongru-ku, Seoul, Ph. 725-6763, 722-1720 or 725-7273.
CONTACT: Jung Rak Kim, President
(Tofu.)

Korea Feed Association, 6-1 Namdaemoonro 5-ka, Chung-ku, C.P.O. Box 3473, Seoul, Ph. 777-7686; TLX: 22835 (KOFEED K).
CONTACT: Man Kyu Lee, Business Manager
(Feed.)

MEXICO — ★CONASUPO, Avenida Juarez 92, Decimo Piso, Colonia Centro Cuauhtemoc, 0604, Mexico D.F., Ph. 518-6180 or 521-0701; TLX: 1772552 o 1776318 (CONAME).
CONTACT: C.P. Alberto Peniche Cerezo, Director d Comercializacion Agropecuaria (Purchaser of oilseed for CONASUPO use.)
(As of February 1985, oilseeds for private crush are imported by private oilseed associations or individua private oilseed mills.)

MOROCCO — Service de Industries Alimentaires, Direction de l'Industrie, Minister de l'Industrie, Rabat.
CONTACT: Dir. General.

NIGERIA — Ministry of Agriculture & Natural Resources, P.M.B. 2038, Makurdi, Benue State.
CONTACT: Chief Agricultural Officer

Federal Department of Agriculture, 17/27 Moloney Street, P.M.B. 2613, Lagos, Ph. 632601 or 632231; CABLE: FEDAG Lagos.
CONTACT: C. C. Anojulu, Director

PANAMA — Instituto de Mercadeo Agropecuario (IMA), Apartado 5638, Panama 2, Ph. 61-1602.
CONTACT: Jose Barrios
(Importer of soybeans.)

PERU — ENCI, Casilla 1834, Lima 1, Ph. 622696; TLX: 20031, 25044 and 25449 (PE ENCI); CABLE: ENCIPERU.
CONTACT: Gerente de Importaciones
(Sole importer of soybeans and edible vegetable oils.)

PHILIPPINES — National Food Authority, Martimyas Bld., E. Rodriguez Ave., Quezon City, Manila, Ph. 626127, TLX: 74242007 (NGA PM).
CONTACT: Ricardo Mercado, Director/International Marketing
(Sole importer of soybeans and soybean meal. Soybean oil and other soybean products are purchased by the private sector.)

POLAND — ★ROLIMPEX, ul. Chalubinskiego 8, P.O. Box 364, Warsaw 00-613, Ph. 30-0633; TLX: 813341.
CONTACT: Jan Giedwidz, Mgr. Dir. or Wlodzimierz Czapiga, Oilseeds & Products Dir.
(Sole importer of soybeans and soybean products.)

PORTUGAL — Instituto do Azeite e Productos Oleaginosos (IAPO), Avenida Sidonio Pais, 10-2º, 1000 Lisboa. (Importer of oilseeds and products, not an import monopoly, but is a buying entity.)

SAUDI ARABIA — Grain Silos and Flour Mills Organization, P.O. Box 3402, Riyadh, Ph. 405-9152; TLX: 202580 (SAWANE SJ).
CONTACT: Ahmed Shinarwi, Dir. General
(Principal importer of soybean meal; also owner of 5 feed mills.)

SOUTH AFRICA — ★Oilseeds Control Board, P.O. Box 211, Pretoria 0001, Ph. 323-5641; TLX: 5320894 or 5321346.
CONTACT: General Manager

SWITZERLAND — ★Fiduciary Office of the Swiss Foodstuff Importers, Bubenbergplatz 5, P.O. Box 1870, CH-3001 Berne, Ph. 22-0561; TLX: 911956 (TSL).
CONTACT: Charles Parisod, Managing Director
(Organization for compulsory stocks of fats and oils in Switzerland; Importer of soybeans and soybean oil.)

SYRIA — Foreign Trade Organization for Chemicals and Foodstuffs (GEZA), P.O. Box 893, Damascus, Ph. 228521; TLX: 411009.
CONTACT: Mrs. Ilfat Haman, Dir., Vegetable Oil Department
(Importer of soybean oil.)

General Organization for Fodder, P.O. Box 4797, Damasus, Ph. 221893; TLX: 411089.
CONTACT: Adnan Sabri, Dir. General
(Importer of soybean meal.)

—Raw soybeans are purchased by the private sector—

TANZANIA — National Milling Corporation, P.O. Box 9502, Dar es Salaam.
CONTACT: General Manager

TUNISIA — ★Union Tunisienne Industrie du Commerce et de l'Artisanat (UTICA), 103, Avenue de la Liberte, 1002 Tunis.
CONTACT: Abdelkader Chaouch, President

★Office des Cereales, 30, rue Alain Savary, 1002 Tunis.
CONTACT: Abderrazak El Adab, President Director General
(Importer and exporter of cereal products.)

★Institut National de Nutrition & Technologie Alimentaire, Rue Aristide Briand, 1006 Bab Saadoun, Tunis.
CONTACT: Zouheir Kallel, Director

★Office des Terres Domaniales (OTD), 43, rue d'Iran, 1002 Tunis.
CONTACT: Bechir Ben Ismail, President Director General

★Office of Livestock and Pastures (OEP), 30, rue Alain Savary, 1002 Tunis.
CONTACT: Habib Najjar, President Director General

★Ministry of Agriculture, 30, rue Alain Savary, 1002 Tunis.
CONTACT: Mohsen Boujbel, Director of Statistics and Economic Analyses

★Societe Tuniso-Koweitienne des Indutries Agro-Alimentaries (STKIAA), 37 rue du Niger, 1002 Tunis.
CONTACT: Abdelaziz Mathari

★Banque National de Developpement Agricole, 3, rue Jugurtha, 1002 Tunis.
CONTACT: Ferid Mokhtar, President Director General

U.S.S.R. — ★V/O Exportkhleb (PRODSYRIO), 23-34 Smolenskaya-Sennaya Pl., Moscow 121200, Ph. 244-47-01; TLX: 411145 or 411147.
CONTACT: V.K. Mishin, Director
(Sole importer of soybeans.)

ZAMBIA — Nam Board, P.O. Box 122, Lusaka.
CONTACT: General Manager.

ZIMBABWE — ★Grain Marketing Board, P.O. Box 8014, Causeway, Harare, Ph. 795681; TLX: 2336.

In the following countries and countries not otherwise listed, soybeans and soybean products are traded in the private sector: Australia, Belgium, Finland, France, Greece, Hong Kong, Israel, Italy, Jordan, Lebanon, Luxembourg, Netherlands, Sweden.

American Soybean Association

INTERNATIONAL OFFICES & WORLD REGIONS

Aldo Pontecorvo
MEXICO & CENTRAL AMERICA

Rio Sena No. 26
Col. Cuauhtemoc
Mexico, D.F. 06500
Ph. 566-9490 or 535-0659; TLX: 1762261 (SOYA ME)

Jose Felix Chavez
SOUTH AMERICA & THE CARIBBEAN

Torre C. Piso 19 Centro Plaza
Los Palos Grandes
Caracas 1060, Venezuela
Ph: 283-2399 or 283-2599; TLX: 29119

Karl Fangauf
NORTH EUROPE

Pelzerstrasse 13
2000 Hamburg 1
Federal Republic of Germany
Ph. 330516 or 336783; TLX: 841-2163420 (SOYA D)

Dennis L. Blankenship
WEST EUROPE

Centre International Rogier,
Room 2501-2506
Boite 521
1000 Brussels, Belgium
Ph. 217-2075 or 217-9661; TLX: 846-26128 (AMSOYA B)

Lawrence G. Beauregard
MID-EAST, IBERIAN PENINSULA & AFRICA

Piquer 7-4 Izda
Madrid 28033, Spain
Ph. 202-9142 or 202-4732; TLX: 831-46008 (SOYA E)

Steve Chen
TAIWAN

Kwang-Wu Bldg., Room 603
386-12 Tun Hua South Rd.
Taipei, Taiwan
Ph. 781-5880 or 781-2110; TLX: 19422 (USBEANS)

Kyung Lee
KOREA

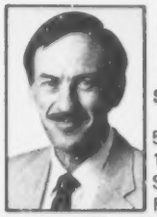
63, Euljoro 1-ka
Chung-ku
K.P.O. Box 1704
Seoul, Korea
Ph. 778-9114; TLX: 787-25823 (SOLATO K)

Thomas J. Brennan
EAST EUROPE

Gatterburggasse 18/2/3
A-1190 Vienna, Austria
Ph. 368218 or 368219; TLX: 847-135132 (AMSOY A)

Terence B. Foley
PEOPLE'S REPUBLIC OF CHINA

Hepingmen Kaoyadian 406
Beijing, People's Republic of China
Ph. 34-2476;
TLX: 716-22203 (USCOP CN) or 716-22439 (JGHBJ CN)



Don H. Bushman
SOUTHEAST ASIA

541 Orchard Rd.
15-01 Liat Towers
Singapore 0923,
Republic of Singapore
Ph. 737-6233 or 737-6561; TLX: 33229 (USATO)

Gunnar Lynum
JAPAN

Akasaka Tokyu Bldg., 11th Floor
2-14-3 Nagatacho
Chiyoda-ku
Tokyo, Japan 100
Ph. 593-2501 or 593-2502; TLX: 781-28638 (USBEANS)

Agronomy – M. W. Phillips
Botany & Plant Pathology – G. E. Shaner
Entomology – E. E. Ortman
Experiment Station Director: B. R. Baumgardt
Soybean Extension Specialist: Marv Swearingen
Soybean Breeder: Jim Wilcox

IOWA
Iowa State University of Science & Technology, College of Agriculture, Ames 50011. Ph. 515/294-4111.

Dean of Agriculture: Lee R. Kolmer
Department Heads:
Agronomy – John Pesek
Economics – Dr. Starleaf
Entomology – H. J. Stockdale
Food Technology – W. W. Marion
Genetics – A. G. Atherly
Plant Pathology, Seed & Weed Science – Abe Epstein
Experiment Station Associate Director: J. P. Mahlstede
Soybean Extension Specialist – Garren Benson
Soybean Breeder: Walter R. Fehr

KANSAS
Kansas State University, College of Agriculture, Manhattan 66506

Dean of Agriculture: J. O. Dunbar
Experiment Station Director: J. O. Dunbar
Soybean Research: Bill Schapaugh
State Extension Leader: Dave Whitney

KENTUCKY
University of Kentucky, College of Agriculture, Agricultural Science Bldg., N., Lexington 40546-0091. Ph. 606/257-9000.

Dean of Agriculture: Charles E. Barnhart
Department Heads:
Agricultural Economics – Milton Shuffett (acting)
Agricultural Engineering – I. J. Ross
Agronomy – A. J. Hiatt
Animal Sciences – Virgil Hays
Entomology – B. C. Pass
Forestry – Bart A. Thielges
Horticulture & Landscape Architecture – Albert S. Williams
Plant Pathology – Thomas P. Pirone
Rural Sociology – James Christenson
Veterinary Science – John T. Bryans
Experiment Station Director: Charles E. Barnhart
Soybean Extension Specialists: Morris J. Bitzer & James Herbek
Soybean Breeder: Todd Pfeiffer

LOUISIANA
Louisiana State University, College of Agriculture, Baton Rouge 70803-5602. Ph. 504/388-2065.

Dean of Agriculture: Prentiss E. Schilling
Department Head:
Agronomy – J. Preston Jones
Experiment Station Director: Doyle Chambers
Soybean Extension Specialist: Walter C. Morrison, III
Soybean Breeder: B. G. Harville

Southern University, College of Agriculture, Southern Branch Post Office, Baton Rouge 70813. Ph. 504/771-3660.

Dean of Agriculture: Leroy Davis
Department Heads:
Agricultural Economics & Agribusiness – Dewitt Jones
Animal Science – George E. Robinson, Jr.
Plant & Soil Sciences – Kit Lin Chin (acting)
Cooperative Extension Administrator: Leodrey Williams

MARYLAND

University of Maryland, College of Agriculture, 1116 Symons Hall, College Park 20742. Ph. 301/454-370

Dean of Agriculture: Donald A. Hegwood
Department Heads:
- Agricultural Engineering – Larry E. Stewart
- Agricultural & Extension Education – Clifford L. Nelson
- Agricultural & Resource Economics – Darrell L. Hueth
- Agronomy – James R. Miller
- Animal Sciences – Dennis C. Westhoff (interim)
- Horticulture – Bruno Quebedeaux
- Poultry Science – Owen P. Thomas

Experiment Station Director: W. Lamar Harris
Cooperative Extension Service Director: Craig S. Oliver
Soybean Extension Specialist: Peter R. Thomison
Soybean Breeder: William J. Kenworthy

MASSACHUSETTS

University of Massachusetts, College of Food & Natural Resources, Amherst 01003. Ph. 413/545-011

Dean of College of Food & Natural Resources: E. Bruce MacDougall
Department Heads:
- Agricultural & Resource Economics – David A. Storey
- Entomology – Ring T. Carde
- Environmental Sciences – Warren Litsky
- Food & Agricultural Engineering – Joe T. Clayton
- Food Science & Nutrition – R. Glenn Brown
- Forestry & Wildlife Management – Donald L. Mader
- Hotel, Restaurant & Travel Administration – Stevenson W. Fletcher
- Home Economics – Elsie Fetterman (acting)
- Landscape Architecture & Regional Planning – Meir Gross
- Plant Pathology – Mark S. Mount
- Plant & Soil Sciences – Allen V. Barker
- Veterinary & Animal Sciences – James B. Marcum

Experiment Station Director: E. Bruce MacDougall
Experiment Station Associate Director: Richard A. Rohde
Soybean Extention Specialist: Stephen J. Herbert

MINNESOTA

University of Minnesota, College of Agriculture, 277 Coffey Hall, 1420 Eckles Avenue, St. Paul 55108 Ph. 612/373-0921.

Dean of Agriculture: C. Eugene Allen
Department Heads:
- Agricultural & Applied Economics – Wesley B. Sundquist
- Agricultural Education – Edgar Persons
- Agricultural Engineering – Fred Bergsrud
- Agronomy & Plant Genetics – H. W. Johnson
- Animal Science – Richard Goodrich
- Entomology – Richard Jones
- Food Science & Nutrition – Elwood Caldwell
- Horticultural Science & Landscape Architecture – James Bartz
- Plant Pathology – Phil Larsen
- Rhetoric – Tom Pearsall
- Soil Science – William Larson

Agricultural Extension Associate Director: Patrick J. Borich
Extension Agronomist: Dale Hicks
Soybean Extension Specialist: Leland L. Hardman
Soybean Breeder: James H. Orf

MISSISSIPPI

Alcorn State University, Division of Agriculture, Research & Applied Sciences, Lorman 39096. Ph. 601/877-6529.

Division of Agriculture Director: Samuel L. Donald
Department Chairmen:
- Agriculture – Willie F. Jackson
- Home Economics – Esther E. Glover
- Industrial Education & Technology – K. L. Simmons

Experiment Station (Research) Director: Johnnie B. Collins
Soybean Extension (Agronomy) Specialist: William Patton
Soybean Breeder: Suresh C. Tiwari

Mississippi State University, College of Agriculture and Home Economics, Mississippi State 39762. Ph. 601/325-2110.

Dean of Agriculture: Charles E. Lindley
Department Heads:
- Agricultural Economics – Verner G. Hurt
- Agricultural and Extension Education – Jasper S. Lee
- Agriculture & Biological Engineering – William R. Fox
- Agronomy – Roy C. Creech
- Animal Science – Bryan Baker, Jr.
- Biochemistry – Robert P. Wilson
- Dairy Science – H. Joe Bearden
- Entomology – Thomas J. Helms
- Home Economics – Jean Snyder
- Horticulture – Clyde C. Singletary
- Landscape Architecture – Charles E. Parks
- Plant Pathology & Weed Science – James M. McGurie
- Poultry Science – James E. Hill

Vice President, Agriculture, Forestry & Veterinary Medicine – Louis N. Wise
Experiment Station Director: R. Rodney Foil
Extension Service Director: James R. Carpenter
Soybean Extension Specialist: Carl W. Jordan
Soybean Breeders: Edgar Hartwig and T. C. Kilen

MISSOURI

University of Missouri, College of Agriculture, 2-69 Agriculture Bldg., Columbia 65211. Ph. 314/882-4245.

Dean of Agriculture: Roger L. Mitchell
Department Heads:
- Agricultural Economics – Bruce Bullock
- Agricultural Education – Curtis Weston
- Agricultural Engineering – Neil Meader
- Agronomy – Bob Volk
- Animal Sciences – Bob Moser
- Atmospheric Science – Wayne Decker
- Biochemistry – Milton Feather
- Dairy Science – Rex Ricketts
- Entomology – Thomas Yonke
- Extension Education and Agriculture Editor – Richard Lee
- Food Science & Nutrition – William Stringer
- Forestry, Fisheries & Wildlife – Donald Duncan
- Horticulture – Ray Rothenberger
- Plant Pathology – Steven Pueppke
- Rural Sociology – Rex Campbell

Experiment Station Director: Roger L. Mitchell
Experiment Station Associate Director: William H. Pfander
Soybean Extension Specialist: Zane Helsel
Soybean Breeders: Sam Anand and Diana Helsel

MONTANA

Montana State University, College of Agriculture,Bozeman 59717-0002. Ph. 406/994-3681.

Dean of Agriculture: James R. Welsh
Department Heads:
- Agricultural Engineering – William Larsen
- Entomology – Wayne Brewer
- Plant Pathology – Gene Sharp
- Plant & Soil Science – Dwane Miller

Experiment Station Director: James R. Welsh

NEBRASKA

University of Nebraska, Institute of Agriculture and Natural Resources, 218 Agricultural Hall, Lincoln 68583-0703. Ph. 402/472-3431.

Dean of Agriculture: Ted Hartung
Department Head:
- Agronomy – Darrell W. Nelson

Experiment Station Director: Irvin T. Omtvedt
Cooperative Extension Director: Leo E. Lucas
Soybean Extension Specialist: Roger W. Elmore
Soybean Breeders: James E. Specht and James H. Williams

NEVADA
University of Nevada, College of Agriculture, Reno 89557. Ph. 702/784-1110.

Dean of Agriculture: Bernard M. Jones
Department Heads:
- Agricultural Economics – Gordon L. Myer
- Agricultural Education – G. C. Hill
- Animal Science – W. Darrell Foote (acting)
- Biochemistry – Ronald S. Pardini
- Plant Science – Thomas M. Blessington
- Range, Wildlife & Forestry – G. Fred Gifford
- Veterinary Medicine – Robert E. L. Taylor

Experiment Station Director: Bernard M. Jones

NEW HAMPSHIRE
University of New Hampshire, College of Life Sciences & Agriculture, Durham 03824. Ph. 603/862-145

Dean of Agriculture: (vacant)
Associate Dean of Agriculture: Robert O. Blanchard
Department Heads:
- Animal Science – Thomas P. Fairchild
- Biochemistry – J. A. Stewart
- Botany & Plant Pathology – Subhash C. Minocha
- Entomology – G. T. Fisher
- Genetics Program – J. Brent Loy
- Family & Consumer Studies – Larry Hansen
- Forest Resources – Harold Hocker
- Occupational Education – Maynard C. Heckel
- Plant Science – Owen M. Rogers
- Resource Economics & Community Development – Edmund F. Jansen

Experiment Station Associate Director: W. E. Urban, Jr.
Soybean Breeder: Yun-Tzu Kiang

NEW JERSEY
The State University of New Jersey – Rutgers, Cook College, P.O. Box 231, New Brunswick 08903. Ph. 201/932-9867.

Dean of Cook College: Stephen Kleinschuster
Department Heads:
- Agricultural Economics & Marketing – Robert Koch
- Animal Sciences – Colin Scanes
- Biochemistry & Microbiology – Stanley Katz
- Biological & Agricultural Engineering – William Roberts
- Entomology & Economic Zoology – H. Streu
- Environmental Resources – Teuvo Airola
- Environmental Science – Joseph Hunter
- Food Science – Stephen Chang
- Horticulture & Forestry – Melvin Henninger
- Human Ecology – George Morren
- IR-4 – Robert Kupelian
- Meteorology & Physical Oceanography – Mark Shulman
- Mosquito Research & Control – Donald Sutherland
- Nutrition – Hans Fisher
- Oyster Culture – Harold Haskin
- Plant Pathology – Raymond Cappellini
- Soils & Crops – Lowell Douglas

Experiment Station Director: Stephen Kleinschuster
Soybean Research and Extension:
- Plant Pathology – Eileen Brennan and Ida Leone
- Soils & Crops – James Justin, Marla Jackson and Mark Gaskell

NEW MEXICO
New Mexico State University, College of Agriculture & Home Economics, Box 3AG, Las Cruce 88003-0034. Ph. 505/646-1806.

Dean of Agriculture: L. S. Pope
Department Heads:
- Agriculture Economics & Business – George Dawson
- Agricultural Engineering – George Abernathy
- Agricultural & Extension Education – Leon Wagley
- Animal & Range Sciences – Arnold Nelson
- Crop & Soil Science – LeRoy Daugherty

Entomology & Plant Pathology – John Owens
Experimental Statistics – Mel Ortiz
Fishery & Wildlife Sciences – Charles Davis
Horticulture – John Mexal
Experiment Station Director: Dinus M. Briggs (acting)

NEW YORK
Cornell University, New York State University of Agriculture & Life Sciences, Roberts Hall, Ithaca 14853. Ph. 607/256-5420.

Dean of Agriculture: D. L. Call
Department Heads:
Agricultural Economics – R. J. Kalter
Agricultural Engineering – G. E. Rehkugler
Agronomy – R. F. Lucey
Animal Science – J. M. Elliott
Biochemistry, Molecular & Cellular Biology – R. E. McCarty
Biometrics Unit – D. S. Robson
Communication Arts – D. F. Schwartz
Ecology & Systematics – W. N. McFarland
Education – J. P. Bail
Entomology – M. J. Tauber and G. A. Schaefers
Floriculture & Orn. Horticulture – C. F. Gortzig
Food Science & Technology – Richard Ledford and D. F. Splittstoesser
Genetics & Development – P. J. Bruns
Horticultural Sciences – G. E. Harman
IPM – J. P. Tette
Mann Library – J. R. Olsen and D. Young
Microbiology – R. P. Mortlock
Natural Resources – R. T. Oglesby
Neurobiology & Behavior – Miriam Salpeter
Physiology – W. H. Wasserman
Plant Biology – D. J. Paolillo
Plant Breeding – W. D. Pardee
Plant Pathology – W. E. Fry and H. S. Aldwinckle
Pomology – G. H. Oberly
Poultry & Avian Sciences – R. C. Baker
Rural Sociology – E. C. Erickson
Vegetable Crops – E. E. Ewing
Experiment Station Directors: N. R. Scott and L. F. Hood
Soybean Extension Specialist: William J. Cox
Soybean Breeder: Mark E. Sorrells

NORTH CAROLINA
North Carolina State University, School of Agriculture and Life Science, Box 7601, Raleigh 27695-7601. Ph. 919/737-2668.

Dean of Agriculture: J. E. Legates
Department Heads:
Animal Science – Charles A. Lassiter
Botany – Ernest D. Seneca (acting)
Crop Science – Billy E. Caldwell
Economics & Business – Dale M. Hoover
Entomology – Ronald J. Kuhr
Plant Pathology – William Klarman
Poultry Science – Charles H. Hill (acting)
Soil Science – Robert H. Miller
Experiment Station Director: Durward F. Bateman
Soybean Extension Specialist: E. James Dunphy
Soybean Breeders. Joe W. Burton and Thomas E. Carter, Jr.

NORTH DAKOTA
North Dakota State University of Agriculture & Applied Science, College of Agriculture, Room 104, Morrill Hall, Fargo 58105. Ph. 701/237-7654.

Dean of Agriculture: H. R. Lund
Department Heads:
Agronomy – Jack F. Carter
Cereal Science & Food Technology – Orville Banasik
Entomology – John T. Schulz

Plant Pathology – Richard L. Kiesling
Experiment Station Director: H. R. Lund
Soybean Extension Specialists: William Ball and James Helm
Soybean Breeder: Dean Whited

OHIO
Ohio State University, College of Agriculture, 2120 Fyffe Rd., Columbus 43210. Ph. 614/422-6891.

Vice President for Agriculture Administration: Max Lennon
Department Heads:
Agricultural Economics – Joseph Havlicek, Jr.
Agricultural Education – J. Robert Warmbrod
Agricultural Engineering – Warren L. Roller
Agronomy – Berlie L. Schmidt
Animal Science – D. E. Becker
Dairy Science – David L. Zartman
Entomology – Clive A. Edwards
Food Science & Nutrition – Emil M. Mikolajcik (acting)
Horticulture – Robert A. Kennedy
Natural Resources – Craig B. Davis
Plant Pathology – Charles R. Curtis
Poultry Science – Edward C. Naber
Research & Development Center Director: Frederick E. Hutchinson
Cooperative Extension Service Director: J. Michael Sprott
Soybean Extension Specialist: James E. Beuerlein
Soybean Breeders: Brian A. McBlain and Steven K. St. Martin

OKLAHOMA
Oklahoma State University, College of Agriculture, 139 Agricultural Hall, Stillwater 74078. Ph. 405/624-5398.

Dean of Agriculture: C. B. Browning
Department Heads:
Agricultural Economics – James E. Osborn
Agricultural Education – H. Robert Terry
Agricultural Engineering – (vacant)
Agricultural Information – Charles N. Voyles
Agronomy – Paul W. Santelmann
Animal Science – Robert Totusek
Biochemistry – Roger Koeppe
Entomology – Larry A. Crowder
Forestry – Stanley B. Carpenter
Horticulture & Landscape Architecture – David W. Buchanan
Plant Pathology – (vacant)
Experiment Station Director: C. B. Browning
Experiment Station Associate Director: Ronald R. Johnson
Soybean Extension Specialist: Ron Sholar
Soybean Breeder: Lewis Edward

PENNSYLVANIA
Pennsylvania State University, College of Agriculture, 201 Agricultural Administration Bldg., University Park 16802. Ph. 814/865-2541.

Dean of Agriculture: Samuel H. Smith
Department Heads:
Agriculture & Extension Education – Samuel M. Curtis
Agricultural Economics & Rural Sociology – Wayne A. Schutjer
Agricultural Engineering – Harold V. Walton
Agronomy – James L. Starling
Dairy & Animal Science – Paul J. Wangsness
Entomology – Charles W. Pitts
Food Science – Philip G. Keeney
Forest Resources – Robert S. Bond
Horticulture – Francis H. Witham
Plant Pathology – John M. Skelly
Poultry Science – Herbert S. Siegel
Veterinary Science – C. S. Card
Experiment Station Director: Samuel H. Smith
Cooperative Extension Director: Samuel H. Smith
Soybean Research & Extension: O. Elwood Hatley

PUERTO RICO
University of Puerto Rico, College of Agricultural Sciences, Mayaguez Campus, Mayaguez 00708. Ph. 809/834-4040.

Dean of Agriculture: Alejandro Ayala
Department Heads:
Agricultural Economics & Rural Sociology – Hector Medrano
Agricultural Education – Jose A. Villamil
Agricultural Engineering – Allan Phillips
Agronomy & Soil – Luis M. Cruz Perez
Animal Industry – Francisco Suarez
Crop Protection – Julio H. Lopez Rosa
Horticulture – Abad Morales
Experiment Station Director: Alejandro Ayala
Experiment Station Associate Director: Miguel Gonzalez Roman
Soybean Breeder: Silvia Cianzio

SOUTH CAROLINA
Clemson University, College of Agricultural Sciences, Clemson 29631. Ph. 803/656-3015.

Dean of Agriculture: Luther P. Anderson
Department Head:
Agronomy & Soils – Ralph E. Franklin
Experiment Station Director: W. Cecil Godley
Soybean Extension Specialist: James H. Palmer
Soybean Breeder: Emerson R. Shipe

SOUTH DAKOTA
South Dakota State University, College of Agriculture and Biological Sciences, Box 2207, Brookings 57007-0191. Ph. 605/688-4148.

Dean of Agriculture: Delwyn Dearborn
Department Heads:
Agricultural Engineering – Mylo Hellickson
Animal & Range Sciences – John Romans
Biology – Ernest Hugghins
Dairy Science – John Parsons
Economics – John Thompson
Horticulture/Forestry – Thomas Warner
Microbiology – Robert Todd
Plant Science – Maurice Horton
Rural Sociology – James Satterlee
Station Biochemistry – David Hilderbrand
Veterinary Science – M. W. Vorhies
Wildlife/Fisheries – Charles Scalet
Experiment Station Director: R. A. Moore
Extension Specialist: Robert Hall

TENNESSEE
University of Tennessee, College of Agriculture, P.O. Box 1071, Knoxville 37901-1071.

Dean of Agriculture: W. W. Armistead
Department Head:
Plant & Soil Science – W. L. Parks (acting)
Experiment Station Director: D. M. Gossett
Cooperative Extension Service Director: Lloyd Downen
Soybean Extension Specialists: Wayne Flinchum & Elmer Asburn
Soybean Breeder: Fred Allen

TEXAS
Prairie View A&M University, College of Agriculture, Prairie View 77446. Ph. 409/857-2811 or 409/857-2812.

Dean of Agriculture: Theodore R. Freeman
Department Heads:
Agricultural Economics – Alfred L. Parks
Agricultural Education – C. L. Strickland, Sr.
Agricultural Engineering – E. J. Johnson
Agronomy – A. S. Mangaroo

Animal Science – Victor G. Stanley
Experiment Station Director: Theodore R. Freeman
Soybean Extension Specialist: Alfred Wade

Texas A&M University, College of Agriculture, College Station 77843-2142. Ph. 713/845-3711.

Dean of Agriculture: H. O. Kunkel
Department Head:
Soil & Crop Sciences – E. C. A. Runge
Experiment Station Director: Neville P. Clarke
Soybean Extension Specialist: Travis D. Miller
Soybean Breeder: Glenn R. Bowers, Jr.

VERMONT

University of Vermont, College of Agriculture and Life Sciences, Morrill Hall, Burlington 05405-0106. Ph. 802/656-2980.

Dean of Agriculture: Robert O. Sinclair
Associate Dean for Resident Instruction: William H. Kelly
Associate Dean for Agricultural Research: Albert M. Smith
Department Heads:
Agriculture & Resource Economics – Neil H. Pelsue
Animal Sciences – Leonard S. Bull
Botany – Hubert W. Vogelmann
Human Nutrition & Foods – Eleanor D. Schlenker
Information – Marguerite G. Ashman
Merchandising, Consumer Studies & Design – Suzanne Loker
Microbiology & Biochemistry – Robert E. Sjogren
Plant & Soil Science – Alan R. Gotlieb
Vocational Education & Technology – Thomas F. Patterson
Experiment Station Director: Robert O. Sinclair
Cooperative Extension Service Director: William A. Shimel

VIRGINIA

Virginia Polytechnic Institute and State University, College of Agriculture and Life Sciences, Blacksbur 24061.

Dean of Agriculture: James R. Nichols
Department Heads:
Agricultural Economics – Herb H. Stoevener
Agricultural Engineering – C. Gene Haugh
Agronomy – Thomas B. Hutcheson, Jr.
Anaerobic Microbiology – Tracy D. Wilkins
Animal Science – L. Andy Swiger
Biochemistry & Nutrition – Tom W. Keenan
Dairy Science – John M. White
Entomology – Sid L. Poe
Fisheries & Wildlife Services – Gerald H. Cross
Food Science & Technology – Kent K. Stewart
Forestry – Robert E. Adams
Forest Products – Geza Ifju
Horticulture – Thomas A. Fretz
Plant Pathology, Physiology & Weed Science – Larry Moore (interim)
Poultry Science – John H. Wolford
Experiment Station Directors: James R. Nichols
James L. Tramel, Jr.
Glen L. Heuberger
Robert L. Horsburgh
Edward A. Borchers
Soybean Extension Specialist: Glenn R. Buss
Soybean Breeder: Glenn R. Buss

Virginia State University, School of Agriculture and Applied Sciences, Box 70, Petersburg 23803. Ph 804/520-5000.

Dean of Agriculture: B. B. Archer
Department Head:
Agriculture – C. M. Gilliam
Experiment Station Director: P. S. Benepal
Extension Specialist: Mitchell Patterson, Jr.
Soybean Breeder: P. S. Benepal

WASHINGTON
Washington State University, College of Agriculture and Home Economics, Pullman 99164-6242. Ph. 509/335-4561.

Dean of Agriculture: J. L. Ozbun
Agricultural Research Center Director: L. L. Boyd
Cooperative Extension Service Director: A. D. Davidson

WEST VIRGINIA
West Virginia University, College of Agriculture & Forestry, Morgantown 26506.

Dean of Agriculture: R. H. Maxwell (interim)
Department Head: M. E. Gallegly
Experiment Station Director: A. L. Barr
Soybean Extension Specialist: C. B. Sperow

WISCONSIN
University of Wisconsin, College of Agricultural and Life Sciences, Agricultural Hall, Madison 53706. Ph. 608/262-9539.

Dean of Agriculture: Leo M. Walsh
Associate Dean of Agriculture: Neal A. Jorgensen
Department Heads:

Agricultural & Life Sciences
Agricultural Economics – Daniel W. Bromley
Agricultural Engineering – Gary D. Bubenzer
Agricultural Journalism – Larry R. Meiller
Agronomy – Robert A. Forsberg
Bacteriology – Ronald D. Hinsdill
Biochemistry – Hector F. DeLuca
Continuing & Vocational Education – Jerold W. Apps
Dairy Science – David P. Dickson
Entomology – Jeffrey A. Wyman
Food Microbiology & Toxicology – Michael W. Pariza
Food Science – Daryl B. Lund
Genetics – Millard Susman
Horticulture – Herbert Hopen
Land Tenure Center – Marion R. Brown
Meat & Animal Science – Robert G. Cassens
Institute of Muscle Biology – Bruce B. Marsh
Nutritional Sciences – Howard E. Ganther
Plant Pathology – Douglas P. Maxwell
Poultry Science – Milton L. Sunde
Rural Sociology – Gene Summers
Soil Science – Champ B. Tanner
University Experimental Farms – Marshall Finner
Veterinary Science – Richard F. Marsh

Natural Resources
Forestry – Ronald L. Giese
Landscape Architecture – Hanque Macari
Environmental Awareness Center – Phillip H. Lewis
Wildlife Ecology – Orrin J. Rongstad

Experiment Station Director: Leo M. Walsh
Associate Experiment Station Director: Neal A. Jorgensen
Soybean Extension Specialist: Edward S. Oplinger
Soybean Breeder: Earl Gritton

WYOMING
University of Wyoming, College of Agriculture, University Station, Box 3354, Laramie 82071. Ph. 307/766-4133.

Dean of Agriculture: Lee A. Bulla, Jr.
Department Heads:
Agricultural Economics – Sam Cordes
Animal Science – Frank Hinds
Biochemistry – Jerry Johnson
Home Economics – Judy Powell
Plant Science – Lee Painter
Range Management – Bill Laycock
Experiment Station Director: C. Colin Kaltenbach

soy directory

The Soy Directory lists companies that process and refine soybeans and/or manufacture edible soyfoods or soy products for industrial uses..

Crushers and refiners are listed in section 1, **Oil Extraction Plants and Refineries.** Where information was provided, company headquarters are identified; locations of plants and factories are given. Soybean crushers are identified by a (P) code. If a crushing facility also has refining capabilities, it is identified (R).

Listings of crushing and refining facilities include an overview of plant functions: type of processing equipment used (solvent or press), processing and refining capacity and/or average output per day, on-site raw material storage capacity (for beans or crude oil), and resulting products. Modes of available transportation are also given.

Crushers and refiners that further process soybeans are identified with a code: soyfoods/edible products (SF), and products suitable for industrial uses (IP). Firms with SF and IP codes are listed separately in section 2, **Soyfoods/Edible Products Manufacturers,** and section 3, **Producers of Soy Products for Industrial Manufacturers.** Companies in sections 2 and 3 are listed by general product category. Brand names are highlighted if provided by the company.

OIL EXTRACTION PLANTS/REFINERIES 47
SOYFOODS/EDIBLE PRODUCTS MANUFACTURERS 76
PRODUCERS OF SOY PRODUCTS FOR INDUSTRIAL MANUFACTURERS ... 103

Oil Extraction Plants/Refineries

★ Updated listing

UNITED STATES

ALABAMA

BUNGE CORP. (P) ★
1400 Market St., Decatur 35602,
Ph. 205-350-4550. Main office: New York, NY
CONTACT: Jack Thiessen, Dist. Mgr.
Solvent; cap. 2,500MT/day; soy meal; hulls; crude and crude degummed oil. Served by truck, barge and rail.

CONTINENTAL GRAIN CO. (P R)
Guntersville 35976, Ph. 205-582-5614;
Main office: New York, NY.
CONTACT: Richard D. Day
Solvent; cap. 1,000T/day. Degumming.

ARKANSAS

AG PROCESSING INC (P) ★
P.O. Box 389, Van Buren 72956.
Ph. 501-474-6871; TLX: 750452;
TWX: 910-997-0395. Main office: Omaha, NE
CONTACT: Rich Lee
Solvent; soy meal, hulls, crude oil. Served by truck, barge and rail.

ARCHER DANIELS MIDLAND CO. (P) ★
P.O. Box 30, Little Rock 72203,
Ph. 501-372-0277; Main office: Decatur, IL;
CONTACT: Robert Pflaum
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

CARGILL INC. (P)
P.O. Box 528, Osceola 72370, Ph. 501-563-5263;
Main office: Minneapolis, MN; TLX: 290794.
CONTACT: C.L. Smith
Solvent; CARGILL soy meal. Served by rail.

QUINCY SOYBEAN CO. (P R SF IP) ★
Hwy. 20 S, P.O. Box 70, Helena 72342,
Ph. 501-338-6481; TLX: 404421 (QCYSOYBEAN QUI). Main office: Quincy, IL.
CONTACT: Richard P. Schuering
Solvent; cap. 1,350MT/day; soy meal, hulls; crude, crude degummed, once refined, fully refined and cooking/salad oil; lecithin. Served by truck, barge and rail.

RICELAND FOODS (P R SF IP)
Helena 72342, Main office: Stuttgart, AR.
CONTACT: W.E. Higginbothom, Mgr.
Solvent; cap. 1,500T/day; 44% and 49% soy meal. Refining, degumming and deodorizing. Served by rail.

RICELAND FOODS (P R SF IP)
MAIN OFFICE: 2120 S. Park Ave., P.O. Box 926, Stuttgart 72160, Ph. 501-673-5500;
Cable: ARKANGO; TWX: 910-720-6240,
TLX: 536464.
CONTACT: George Vickers, Div. Mgr.
Solvent; cap. 800T/day; 44% and 49% soy meal. Refining, degumming and deodorizing. Served by rail.

CALIFORNIA

BEST FOODS DIV. (R)
CPC International Inc.
San Francisco 94110; Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT: C.A. Cravens, Natl. Sales Mgr.
Fully refined and hydrogenated oil.

CALIFORNIA FATS & OILS, INC. (P R) ★
1145 Harbour Way South, Richmond 94804,
Ph. 415-233-7660; TLX: 335453 (CFOINC RCMD).
CONTACT: W. D. Bartels
Solvent; crush cap. 235MT/day; storage cap. 2,500MT. Refining cap. 130MT/day; storage cap. 10,000MT. Soymeal, crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck, barge, rail and ship.

HUMKO PRODUCTS (R) ★
Kraft Inc., Industrial Foods Division
Buena Park 90622, Ph. 714-523-0370;
Main office: Memphis, TN.
Fully refined, hydrogenated and fractionated oil; margarine, shortening and cooking/salad oil.

LIBERTY VEGETABLE OIL CO. (P R)
P.O. Box L, Norwalk 90650, Ph. (Norwalk) 213-921-3567, (Los Angeles) 213-773-2092;
TLX: 691-608.
CONTACT: C.W. Adams, VP
Continuous press; cap. 120T/day; storage cap. 300,000 bu.; Refining, bleaching, deodorizing and winterizing. Served by rail.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 440, Long Beach 90801.

DELAWARE

TOWNSENDS INC. (P R SF)★
P.O. Box 468, Millsboro 19966,
Ph. 302-934-9221.
CONTACT: Seth Taylor, Merch. Mgr.
Solvent; crush cap. 900MT/day; storage cap. 5,360,000 bu. Refining cap. 340MT/day; storage cap. 2,575MT. Soy meal; hulls; animal/livestock feed; crude, crude degummed, once refined, fully refined and cooking/salad oil. Served by truck and rail.

GEORGIA

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 729, Augusta 30901, Ph. 404-722-8866;
Main office: Decatur, IL.
CONTACT: William Goodsen
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (R SF)★
P.O. Box 9, Macon 31202, Ph. 912-743-9571.
Main office: Decatur, IL.
CONTACT: James Stowell (217-424-5200).
Crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck and rail.

CARGILL INC. (P R)
P.O. Box 1298, 949 Ridge Rd., Gainesville 30501,
Ph. 404-535-3100; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Edgar T. Savidge
Solvent; CARGILL soy meal, refined edible and hydrogenated oils. Served by rail.

GOLD KIST INC. (P)★
MAIN OFFICE: P.O. Box 2210, Atlanta 30301,
Ph. 404-393-5000; TLX: 542338 or 708404.
Plant at: Valdosta, GA.

GOLD KIST INC. (P)★
P.O. Box 1589, Valdosta 31601, Ph. 912-242-0100;
Main office: Atlanta, GA.
CONTACT: Marshall Smitherman, Ron Jackson or Gene Jarnigan
Solvent; cap. 1,650MT/day; storage cap. 6 million bu.; soy meal, hulls, and crude oil. Served by truck and rail.

ILLINOIS

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 68, Champaign 61820,
Ph. 217-398-3700. Main office: Decatur, IL.
CONTACT: Mike Kerber
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P R SF IP)★
MAIN OFFICE: 4666 Faries Pkwy., Decatur 62526,
Ph. 217-424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
Plants at: Little Rock, AR; Augusta and Macon, GA; Champaign, Decatur, Galesburg, Granite City, and Taylorville IL; Frankfort, IN; Des Moines, IA; Fredonia, KS; Mankato, MN; Clarksdale, MS; Mexico and North Kansas City, MO; Fremont and Lincoln, NE; Fostoria, OH; Kershaw, SC.
CONTACT: Charles Bayless, Pres., Soybean Div.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 1470, Decatur 62525, Ph. 217-424-5200.
Main office also at Decatur, IL.
CONTACT: Ray Strasma
Solvent; soy meal, hulls, crude, crude degummed oil; white flakes for edible purposes. Served by truck, rail and barge.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 711, Galesburg 61401,
Ph. 309-343-1155; Main office: Decatur, IL.
CONTACT: David Marshall
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 1249, Granite City 62040,
Ph. 618-451-2200; Main office: Decatur, IL.
CONTACT: Art Hrbek
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck, barge and rail.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 193, Taylorville 62568,
Ph. 217-824-3371. Main office: Decatur, IL.
CONTACT: Pat Schroeder
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck, barge and rail.

BEST FOODS DIV. (R)
CPC International Inc.
Chicago 60623; Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT: C.A. Cravens, Natl. Sales Mgr.
Fully refined and hydrogenated oil.

BUNGE CORP. (P)★
P.O. Box 113, Cairo 62914, Ph. 618-734-4141;
Main office: New York, NY.
CONTACT: Claude Rose, District Mgr.
Solvent; cap. 3,000MT/day; soy meal, crude and crude degummed oil. Served by truck, barge and rail.

BUNGE EDIBLE OIL CO. (R)
P.O. Box 765, Kankakee (Bradley) 60901,
Ph. 815-933-0600; TLX: 41800.
CONTACT: Jack Brady, VP
Refining, hydrogenation and deodorizing.

CARGILL INC. (P R)
1660 LaSalle Bank Bldg., Chicago 60603, Ph. 312-855-2914; Refinery at: 122 St. and Torrence Ave., Chicago 60617, Ph. 312-375-6323; Main office: Minneapolis, MN; TLX: 29-0794.
CONTACT: Buzz Schmidt
Solvent; CARGILL soy meal, refined edible and industrial oils. Served by rail.

CENTRAL SOYA COMPANY, INC. (P)★
Rt. 47 & 9, Box 112, Gibson City 60936,
Ph. 217-784-8261; Main office: Fort Wayne, IN;

CONTACT: Gary W. Hammond, Merch. Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

DURKEE FOODS DIVISION (R SF)★
SCM Corporation
P.O. Box 796, Joliet 60434, Ph. 815-423-5511;
Main office: Cleveland, OH.
CONTACT: Leonard S. Milazzo, VP Mfg./Eng. (216-344-8000)
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; cooking/salad oil. Served by truck, rail and barge.

DURKEE FOODS DIVISION ★
SCM Corporation
Fractionation plant: Chicago. Main office: Cleveland, OH
CONTACT: Leonard S. Milazzo, VP Mfg. / Eng. (216-344-8000)

HUMKO PRODUCTS (R)★
Kraft Inc., Industrial Foods Division
Champaign 61823, Ph. 217-356-7213;
Main office: Memphis, TN.
Fully refined, hydrogenated and fractionated oil; margarine, shortening and cooking/salad oil.

KRAFT INC. (R SF)
Kraft Ct., Glenview, IL 60025, Ph. 312-998-2000.
CONTACT: Gerald J. Daleiden, VP Oil Procurement
Once refined, fully refined, hydrogenated oil, margarine, shortening, cooking/salad oil. Served by truck and rail.

LAUHOFF GRAIN COMPANY (P SF)★
Division of Bunge Corp.
P.O. Box 571, Danville 61832-0571,
Ph. 217-442-1800; TLX: 404465 (LAUHOFF GR DAN); TWX: 910-244-1453 (LAUHOFFGRAIN).
CONTACT: Larry Friend
Solvent; cap. 3,000MT/day; soy meal, crude oil, soy flour. Served by truck and rail.

QUINCY SOYBEAN CO. (P)★
1900 Gardner Expwy., P.O. Box 329,
Quincy 62306, Ph. 217-224-1800.
CONTACT: J. Richard Galloway, Mktg. Mgr.
Solvent; cap. 3,000MT/day; soy meal, hulls, crude and crude degummed oil. Served by truck, barge and rail.

QUINCY SOYBEAN CO. (P R SF IP)★
MAIN OFFICE: 1900 Gardner Expressway,
P.O. Box 329, Quincy 62306, Ph. 217-224-1800;
TLX: 404421 (QCY SOYBEAN QUI). Plants at Quincy, IL and Helena, AR.

RALSTON PURINA CO. (P)
Bloomington 61702, Ph. 309-829-1261;
Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: S.E. Sproull, Plant Mgr.
Solvent; PURINA CHOWS mixed feeds. Served by truck and rail.

A.E. STALEY MFG. CO. (P R SF IP)★
MAIN OFFICE: 2200 Eldorado St., P.O. Box 151,
Decatur 62525, Ph. 217-423-4411; TLX: 250113 (AE STALEY); TWX: 910-243-0459 (AE STALEY). Plants at: Decatur and Galesburg, IL.

INDIANA

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 249, Frankfort 46041, Ph. 317-654-5824;
Main office: Decatur, IL.
CONTACT: William Camp
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

CENTRAL SOYA COMPANY, INC. (P)★
1200 N. Second St., Decatur 46733,
Ph. 219-724-2101; Main office: Fort Wayne, IN;
CONTACT: Larry Justice, Plant Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

CENTRAL SOYA COMPANY, INC. (P R SF IP)★
MAIN OFFICE: 1300 Fort Wayne Bank Bldg.,
P.O. Box 1400, Fort Wayne 46801-1400,
Ph. 219-425-5100;
TLX: 027610 (CENSOYA FWA A).
Plants at: Decatur & Indianapolis, IN; Gibson City, IL; Marion, Delphos & Bellevue, OH; Chattanooga, TN; Utrecht, Netherlands; Toronto, Canada.
CONTACT: Matt Cavell (219-425-5724) or for white flakes, Ted R. Sadler (219-425-5141).
Soy meal; hulls; crude and crude degummed oil; white flakes for edible purposes; once refined, fully refined and hydrogenated oil; shortening, cooking/salad oil; lecithin; soy flour.

CENTRAL SOYA COMPANY, INC. (P)★
1160 W. 18th St., P.O. Box 44570,
Indianapolis 46244, Ph. 317-632-8441;
Main office: Fort Wayne, IN.
CONTACT: Neil McGough, Merch. Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

RALSTON PURINA CO. (P)
Lafayette 47902, Ph. 317-423-1511; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: Bill White
Solvent. Served by truck and rail.

IOWA

AG PROCESSING INC (P IP)★
P.O. Box 85, Eagle Grove 50533,
Ph. 515-448-4711; TLX: 467762.
Main office: Omaha, NE.
CONTACT: Lenny Miller
Solvent; soy meal, hulls, crude and crude degummed oil; industrial lecithin. Served by truck and rail.

AG PROCESSING INC (P IP)★
P.O. Box 200, Sergeant Bluff 51054.
Ph. 712-943-4282; TLX: 750450;
TWX: 910-997-0393. Main office: Omaha, NE.
CONTACT: Chuck McCauley
Solvent; soy meal, hulls, crude and crude degummed oil; industrial lecithin. Served by truck, barge and rail.

AG PROCESSING INC (P) ★
P.O. Box 220, Sheldon 51201. Ph. 712-324-2531;
TLX: 750449; TWX: 910-997-0392.
Main office: Omaha, NE.
CONTACT: Oscar Benson
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

AGRI-INDUSTRIES (P) ★
MAIN OFFICE: P.O. Box 4887, Des Moines 50306, Ph. 515-223-3700; TLX: 478461 (FGDAW DMS);
TWX: 910-520-2627 (AGRIW DMS)
Plants at: Manning and Mason City, IA.

AGRI-INDUSTRIES (P) ★
P.O. Box 187, Manning 51455, Ph. 712-653-3985;
TLX: 478461 (FGDAW DMS); TWX: 910-520-2627 (AGRIW DMS); Main office: Des Moines, IA.
CONTACT: Kent Klootwyk (515-223-3602)
Solvent; cap. 1,000MT/day; storage cap. 1,000,000 bu; soy meal, crude oil. Served by truck and rail.

AGRI-INDUSTRIES (P) ★
P.O. Box 1338, Mason City 50401,
Ph. 515-423-4733; TLX: 478461 (FGDAW DMS);
TWX: 910-520-2627 (AGRIW DMS);
Main office: Des Moines, IA.
CONTACT: Richard Dolski (515-223-3840)
Solvent; cap. 1,000MT/day; storage cap. 1,000,000 bu.; soy meal and crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P R) ★
P.O. Drawer C, Des Moines 50316,
Ph. 515-263-3260. Main office: Decatur, IL.
CONTACT: Paul Neihaus
Solvent; soy meal, hulls, crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck and rail.

CARGILL INC. (P)
411 6th St. NE, Cedar Rapids 52406,
Ph. 319-399-4000; Main office: Minneapolis, MN;
TLX: 290794.
CONTACT: Robert Carlson
Solvent; CARGILL soy meal. Served by rail.

CARGILL INC. (P SF)
1010 10th Ave. SW, Cedar Rapids 52406,
Ph. 319-399-4100; Main office: Minneapolis, MN;
TLX: 290794.
CONTACT: Tony Cahill
Solvent; CARGILL soy meal and soy proteins. Served by rail.

CARGILL INC. (P R)
3030 SE Granger, Des Moines 50306,
Ph. 515-263-3115; Main office: Minneapolis, MN;
TLX: 290794.
CONTACT: Tom Charette
Solvent; 44% and 50% soy meal, refined edible and industrial vegetable oils. Served by rail.

CARGILL INC. (P)
980 Clark St., Sioux City 51102,
Ph. 712-258-0174; Main office: Minneapolis, MN;
TLX: 290794.
CONTACT: Douglas Debelak
Solvent; CARGILL soy meal and pellets. Served by rail.

CARGILL INC. (P)
N. 15th Ave. & 3rd St., Washington 52353,
Ph. 319-653-2196; Main office: Minneapolis, MN;
TLX: 290794.
CONTACT: Bill Matson
Solvent; CARGILL soy meal and pellets. Served by rail.

RALSTON PURINA CO. (P)
Iowa Falls 50126, Ph. 515-648-2591; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: T.L. Williams, Plant Mgr.
Solvent; PURINA CHOWS mixed feeds. Served by truck and rail.

WEST BEND ELEVATOR CO. (P)
P.O. Box 49, West Bend 50597, Ph. 515-887-7211.
CONTACT: Fred McKim, Gen. Mgr.
Continuous press; cap. 39T/day; storage cap. 9,500,000 bu. OLD PROCESS soy meal and mixed feeds. Served by rail.

WEST CENTRAL COOPERATIVE (P) ★
P.O. Box 68, Ralston 51459, Ph. 712-667-3200.
CONTACT: Mark D. Friedow, Sales Mgr.
Screw press; cap. 80MT/day; storage cap. 1,000,000 bu.; soy meal, crude oil. Served by truck and rail.

KANSAS

ARCHER DANIELS MIDLAND CO. (P) ★
P.O. Box 558, Fredonia 66736, Ph. 316-378-2102;
Main office: Decatur, IL.
CONTACT: Kirk Hartnett
Solvent, soy meal, hulls, crude oil. Served by truck and rail.

BUNGE CORP. (P) ★
E. 5th Ave., P.O. Box 518, Emporia 66801,
Ph. 316-342-7270; Main office: New York, NY.
CONTACT: Tom Schmitt, Dist. Mgr.
Solvent; cap. 2,000MT/day; soy meal, crude and crude degummed oil. Served by truck and rail.

CARGILL INC. (P)
1501 N. Mosley, Wichita 67214,
Ph. 316-267-8800;
Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Jim Bohlander
Solvent; 44% and 50% soy meal and pellets. Served by rail.

PRODUCERS COOPERATIVE ASSN. (P) ★
Box 265, Girard 66743, Ph. 316-724-8241.
CONTACT: John Minor, Mgr.
Screw press; cap. 1MT/day; storage cap. 1,200 bu.; soy meal and crude oil. Served by truck and rail.

KENTUCKY

OWENSBORO GRAIN CO. INC. (P) ★
P.O. Box 1787, Owensboro 42301,
Ph. 502-926-2032.
CONTACT: Robert E. Hicks, Pres.

Solvent; cap. 2,200MT/day; storage cap. 2,500,000 bu.; soy meal, crude oil. Served by truck, barge and rail.

RALSTON PURINA CO. (P)
Louisville 40217, Ph. 502-637-4761; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: S.L. Colthurst, Plant Mgr.
Served by truck and rail.

LOUISIANA

BUNGE CORP. (P)★
River Rd., Destrehan 70047, Ph. 504-466-5300; Main office: New York, NY.
CONTACT: Frank Miller, Plant Mgr.
Solvent; cap. 1,800MT/day; soy meal, crude and crude degummed oil. Served by truck, barge, rail and ship.

LOU ANA FOODS, INC. (R SF)
P.O. Box 591, Opelousas 70570,
Ph. 318-948-6561; TLX: 586645 (LAF OPLS);
Plant at: 731 N. Railroad Ave.
CONTACT: Bobby Harris, Ind. Sales Mgr.
Refining, bleaching, deodorizing and winterizing, bulk, institutional and retail sizes; cooking/salad oil. Served by truck and rail.

MARYLAND

PERDUE INC. (P R SF)★
MAIN OFFICE: P.O. Box 1537, Salisbury 21801, Ph. 301-543-3000. Other plant at Cofield, NC.
CONTACT: Bill Bohen or Keith Darby
Solvent; cap. 680MT/day; storage cap. 5,000,000 bu. Refining cap. 327MT/day; storage cap. 1,692MT. Soy meal, hulls, crude and fully refined, hydrogenated and cooking/salad oil. Served by truck, barge and rail.

MINNESOTA

AG PROCESSING INC (P)★
P.O. Box BB, Dawson 56232. Ph. 612-769-4386; TLX: 750451; TWX: 910-997-0394.
Main office: Omaha, NE.
CONTACT: Terry McClatchey
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 728, Mankato 56001, Ph. 507-625-7947.
Main office: Decatur, IL.
CONTACT: John Rice
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

CARGILL INC. (P R SF IP)
MAIN OFFICE: P.O. Box 9300, Minneapolis 55440, Ph. 612-475-6085; TLX: 290794;
Plants at: Osceola, AR; Gainesville, GA; Chicago, IL; Cedar Rapids, Des Moines, Sioux City and Washington, IA; Wichita, KS; Savage, MN; Fayetteville, NC; Sidney, OH; Hartsville, SC; Memphis, TN, and Chesapeake, VA.
CONTACT: D.H. Leavenworth

CARGILL INC. (P)
Savage 55378, Ph. 612-894-3190;
Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Barbara Marturano
Solvent; CARGILL soy meal. Served by rail.

HONEYMEAD PRODUCTS CO. (P R SF IP)★
720 Minneopa Rd., P.O. Box 3247,
Mankato 56002, Ph. 507-625-7911;
TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Roland Bronstad, Wayne Umhoefer, Jim Stelzer or Dave Schostag
Solvent; crush cap. 2,400T/day; storage cap. 3,000,000 bu. Refining cap. 680T/day; storage cap. 8,000MT. Soy meal; once refined, fully refined and hydrogenated oil; lecithin; soy flour. Served by truck and rail.

MISSISSIPPI

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 10, Clarksdale 38614, Ph. 601-627-9241;
Main office: Decatur, IL.
CONTACT: Tommy Sims
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

BUNGE CORP. (P)★
P.O. Box 1410, Jackson 39205,
Ph. 601-948-5880. Main office: New York, NY.
CONTACT: Jim Brady
Solvent; cap. 300MT/day; soy meal, crude and crude degummed oil. Served by truck and rail.

BUNGE CORP. (P)★
520 Cherry St., Marks 38646, Ph. 601-326-2411.
Main office: New York, NY.
CONTACT: Dick Farmer, District Mgr.
Solvent; cap. 1,800MT/day; soy meal, crude and crude degummed oil. Served by truck and rail.

BUNGE CORP. (P)★
P.O. Box 1378, Vicksburg 39180,
Ph. 601-638-3824. Main office: New York, NY.
CONTACT: Brant Harper, Dist. Mgr.
Solvent; cap. 1,300MT/day; soy meal, crude and crude degummed oil; white flakes for edible purposes. Served by truck, barge, and rail.

YAZOO VALLEY-MINTER CITY OIL MILL INC. (P)
P.O. Box 1320, Greenwood 38930,
Ph. 601-453-4312.
CONTACT: T.S. Shuler, Gen. Mgr.
Solvent; cap. 600T/day; 44% soy meal. Served by rail.

MISSOURI

AG PROCESSING INC (P R SF IP)★
P.O. Box 427, St. Joseph 64502.
Ph. 816-233-6161; TLX: 750448;
TWX: 910-997-0391. Main office: Omaha, NE.

CONTACT: Joe Meyer (Omaha) or Doug Forsberg (St. Joseph)
Solvent; soy meal, hulls, crude, crude degummed, fully refined and cooking/salad oil. Served by truck, barge and rail.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 797, Mexico 65265, Ph. 314-581-4195. Main office: Decatur, IL.
CONTACT: Mike Livergood
Solvent; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 12567, N. Kansas City 64116, Ph. 816-221-2117; Main office: Decatur, IL.
CONTACT: Everett Fletcher
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

RALSTON PURINA CO. (P)
2334 Rochester Ave., Kansas City 64120, Ph. 816-483-9888; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: M.J. Boyd, Plant Mgr.
PURINA CHOWS mixed feeds. Served by truck and rail.

RALSTON PURINA CO. (P SF IP)
MAIN OFFICE: Checkerboard Square, St. Louis 63164, TLX: 447620 (RALSTON STL). Plants at: Lafayette, IN; Bloomington, IL; Iowa Falls, IA; Kansas City, MO; Memphis, TN; Louisville, KY, and Raleigh, NC.
CONTACT: W.W. Sims

NEBRASKA

AG PROCESSING INC (P R SF IP)★
MAIN OFFICE: 11235 Davenport St., Suite 103, Omaha 68154, Ph. 402-334-8010; TLX: 750447; TWX: 910-997-0390. Plants at Van Buren, AR; Eagle Grove, Sergeant Bluff and Sheldon, IA; Dawson, MN; St. Joseph, MO.

ARCHER DANIELS MIDLAND CO. (P)★
130 N. Broad St., Drawer D, Fremont 68025, Ph. 402-721-5670. Main office: Decatur, IL.
CONTACT: James Graul
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

ARCHER DANIELS MIDLAND CO. (P R)★
P.O. Box 29268, Havelock Sta., Lincoln 68529, Ph. 402-464-9131; Main office: Decatur, IL.
CONTACT: Randall Neumayer
Solvent; soy meal, hulls, crude, crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck and rail.

GRAIN STATES SOYA INC. (P)★
P.O. Box 157, West Point 68788, Ph. 402-372-2429.
CONTACT: Mark Knobbe, Gen. Mgr.
Screw press; cap. 85MT/day; storage cap. 237,000 bu.; soy meal and crude oil. Served by truck and rail.

NEW JERSEY

BEST FOODS DIV. (R)
CPC International Inc.
Bayonne 07002; Main office: Englewood Cliffs, NJ; TLX: 135440.
CONTACT: C.A. Cravens, Natl. Sales Mgr.
Fully refined and hydrogenated oil.

BEST FOODS DIV. (R SF)
CPC International Inc.
International Plaza, Englewood Cliffs 07632, Ph. 201-894-4000; TLX: 135440. Plants at: Bayonne, NJ; Chicago, IL; San Francisco and Sante Fe Springs, CA.
CONTACT: C.A. Cravens, Natl. Sales Mgr.
Fully refined and hydrogenated oil.

PENTA MANUFACTURING COMPANY (R IP)★
P.O. Box 1452, West Caldwell 07007, Ph. 201-575-7475; TLX: RCA 219472 (PENT UR)
CONTACT: George M. Volpe, VP
Refining cap. 5,000MT/day; storage cap. 20,000MT. Once refined, fully refined, hydrogenated and fractionated oil; Industrial lecithin and oil. Served by truck.

NEW YORK

BUNGE CORP. (P)★
MAIN OFFICE: One Chase Manhattan Plaza, New York 10005; Ph. 212-943-6600; TLX: RCA 233554, ITT 420099. Plants at: Decatur, AL; Cairo, IL; Emporia, KS; Destrehan, LA; Jackson, Marks and Vicksburg, MS.

CONTINENTAL GRAIN CO. (P R)
MAIN OFFICE: 277 Park Ave., New York 10017, Ph. 212-826-5100. Plants at: Guntersville, AL; Cameron, SC.

NORTH CAROLINA

C.&T. REFINERY, INC. (R SF)★
4918 S. Blvd., Charlotte 28203, Ph. 702-523-0414; TLX: 575257 (CTREFINERY CHA). Main office: Richmond, VA.
CONTACT: Sales Dept., Richmond, VA (804-359-5786)
Fully refined, hydrogenated and fractionated oil; shortening and cooking/salad oil.

CARGILL INC. (P R)
P.O. Box 2309, Fayetteville 28302, Ph. 919-483-4631; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Bill Lowe
Solvent; 44% and 50% soy meal, refined, edible, industrial, and crude soy oil. Served by rail.

PERDUE, INC. (P)★
P.O. Box 146, Cofield 27922, Ph. 919-358-0311. Main office and other plant: Salisbury, MD.
CONTACT: Jon Mann
Solvent; cap. 590MT/day; storage cap. 1,800,000 bu.; soy meal, hulls and crude oil. Served by truck and rail.

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A film about teamwork and market development.
Produced by American Soybean Association
Funding of the film is one of many ways Cargill is working with the farmer to build world markets for your products.
CARGILL
®

RALSTON PURINA CO. (P)
Raleigh 27603, Ph. 919-828-4491; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: D.T. Fink, Plant Mgr.
Served by truck and rail.

OHIO

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 110, Fostoria 44830, Ph. 419-425-6633. Main office: Decatur, IL.
CONTACT: Ralph Senteney
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

CARGILL INC. (P)
2400 Industrial Blvd., Sidney 45365, Ph. 513-498-4551; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Martin Dudley
Solvent; CARGILL soy meal. Served by rail.

CENTRAL SOYA COMPANY, INC. (P)★
P.O. Box 369, 605 Goodrich Rd., Bellevue 44811, Ph. 419-483-5340; Main office: Fort Wayne, IN.
CONTACT: Jim Willits, Plant Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

CENTRAL SOYA COMPANY, INC. (P)★
234 So. Jefferson St., P.O. Box 231, Delphos 45833, Ph. 419-692-6010. Main office: Fort Wayne, IN.
CONTACT: Orville "Doc" Rainwater, Plant Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

CENTRAL SOYA COMPANY, INC. (P)★
751 E. Farming St., Marion 43302, Ph. 614-383-1181; Main office: Fort Wayne, IN.
CONTACT: Robert H. Prescott, Plant Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

DURKEE FOODS DIVISION (R SF)★
SCM Corporation
MAIN OFFICE: 925 Euclid Ave., Cleveland 44115, Ph. 216-344-8000; TLX: 985325 (GLIDDEN CLV) Plants at: Chicago and Joliet, IL.
CONTACT: Leonard S. Milazzo, VP Mfg./Eng.

INDUSTRIAL PRODUCTS GROUP (R SF IP)
Stokely Van Camp Inc.
525 W. 1st Ave., P.O. Box 569, Columbus 43216, Ph. 614-299-3131; TLX: 245494.
CONTACT: C.V. Gridley, VP
Once refined and fully refined oil, hydrogenated and fractionated oil. Served by truck and rail.

PROCTER & GAMBLE CO. (R SF IP)
P.O. Box 599, Cincinnati 45201; Refinery at: 5201 Spring Grove Ave., Ivorydale, Cincinnati 45217.

OKLAHOMA

COLE GRAIN COMPANY (P)★
919 S. Cherokee, P.O. Box 1289, Muskogee 74402-1289, Ph. 918-687-7565.
CONTACT: Don Cole, Pres.
Screw press; cap. 2,000 bu./day; soy meal, crude oil. Served by truck.

PRODUCERS COOPERATIVE OIL MILL (P R)
P.O. Box 26907, Oklahoma City 73126, Ph. 405-232-7555.
CONTACT: T.W. Detamore, Sec./Gen. Mgr.
Solvent; cap. 500T/day; storage cap. 800,000 bu.; soybean meal, pellets, once refined oil. Served by truck and rail.

PENNSYLVANIA

COLFAX OF PHILADELPHIA INC. (R SF)★
2500 E. Tioga St., Philadelphia 19134, Ph. 215-423-4242. Main office: Colfax Inc., Pawtucket, RI.
CONTACT: Gary R. Dressler, Mgr.
Crude degummed, once refined, fully refined and cooking/salad oil. Served by truck, barge, rail and ship.

RHODE ISLAND

COLFAX, INC. (R SF)★
MAIN OFFICE: 38 Colfax St., Pawtucket 03860, Ph. 401-724-3800. Plant at Philadelphia, PA.

SOUTH CAROLINA

ARCHER DANIELS MIDLAND CO. (P)★
P.O. Box 338, Kershaw 29067, Ph. 803-475-3751; Main office: Decatur, IL.
CONTACT: Ray Sartain
Solvent; soy meal, hulls, crude oil. Served by truck and rail.

CARGILL INC. (P R)
P.O. Box 878, Hartsville 29550, Ph. 803-332-1571; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Harry Bryant

CONTINENTAL GRAIN CO. (P)
Cameron 29030, Ph. 803-823-2211; Main office: New York, NY.
CONTACT: William H. Yochum, Jr.
Solvent; cap. 700T/day.

PENDLETON OIL MILL, INC. (P)★
349 E. Main St., Pendleton 29670, Ph. 803-646-3294.
CONTACT: John Sitton
Hydraulic flat press; cap. 35MT/day; storage cap. 75,000 bu.; soy meal, hulls, crude oil. Served by truck and rail.

SOUTHERN SOYA CORPORATION (P)★
P.O. Box 727, Estill 29918, Ph. 803-625-2711.
CONTACT: J.W. Tyler, Mgr.
Solvent; cap. 320MT/day; storage cap. 3,500,000 bu.; soy meal, hulls and crude oil. Served by truck and rail.

TENNESSEE

BUNGE EDIBLE OIL CO. (R)
P.O. Box 2309, Chattanooga 37409,
Ph. 615-821-3511; Main office: Kankakee (Bradley), IL; TLX: 41800.
CONTACT: Lennis Martin
Refining, hydrogenating and deodorizing.

CARGILL INC. (P)
P.O. Box 1838, Memphis 38101,
Ph. 901-775-3700; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: Robert W. Drake
Solvent; CARGILL soy meal. Served by rail.

CENTRAL SOYA COMPANY, INC. (P)★
Judd Rd., P.O. Box 5067, Chattanooga 37406,
Ph. 615-629-7341; Main office: Fort Wayne, IN.
CONTACT: R.K. Weatherly, So. Terr. Mgr.
Solvent; soy meal, hulls, crude and crude degummed oil.

HUMKO PRODUCTS (R SF)★
Kraft, Inc., Industrial Foods Division
MAIN OFFICE: White Station Tower, P.O. Box 398, Memphis 38101, Ph. 901-766-2100.
Other locations: Bueria Park, CA; Champaign, IL.
CONTACT: Gene Davis, VP
Fully refined, hydrogenated and fractionated oil; margarine, shortening and cooking/salad oil.

NASHVILLE OIL MILL CORP. (P)
410 Chestnut St., Nashville 37202.
CONTACT: Douglas Rainwater, VP
Solvent; cap. 200T/day; storage cap. 525,000 bu. Served by rail.

RALSTON PURINA CO. (P)
Memphis 38112, Ph. 901-327-8447; Main office: St. Louis, MO; TLX: 447620 (RALSTON STL).
CONTACT: J.R. Bill, Plant Mgr.

TEXAS

BUNGE EDIBLE OIL CO. (R)
400 E. Exchange, P.O. Box 265,
Fort Worth 76101, Ph. 817-625-2331;
Main office: Kanakee (Bradley), IL;
TLX: 41800.
CONTACT: Ken Hamilton
Refining, hydrogenating and deodorizing.

CONWAY OIL COMPANY (R SF)★
1405 W. Washington St., Denison 75020,
Ph. 214-465-3655.
CONTACT: John R. Davis, Pres.
Refining cap. 450 MT/day; storage cap. 13,000 MT; hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil. Served by truck and rail.

NE-TEX COOPERATIVE OIL MILL (P)
P.O. Box 139, Wolfe City 75496,
Ph. 214-496-2281
CONTACT: B.W. Heath, Mgr.
Solvent; cap. 250T/day; storage cap. 650,000 bu.; NE-TEX soy meal and crude oil. Approx. soybean operations 15,000T. Served by truck and rail.

PROCTER & GAMBLE MFG. CO. (R)
P.O. Box 225118, Dallas 75265.

VIRGINIA

C.&T. REFINERY, INC. (R SF)★
MAIN OFFICE: C. F. Sauer Co., 2000 W. Broad St., Richmond 23220, Ph. 804-359-5786; TLX: 827490 (CFSAUER RIC). Plant at: Charlotte, NC.

CARGILL INC. (P)
P.O. Box 7506, Chesapeake 23324,
Ph. 804-545-8461; Main office: Minneapolis, MN; TLX: 290794.
CONTACT: John March
Solvent; CARGILL soy meal. Served by rail.

ARGENTINA

INDO S.A. (P R SF IP)
Reconquista 458, Piso 15°, Buenos Aires 1358,
Ph. 394-1900 or 394-1005;
TLX: 9105 (LAPCE AR).
Other plants: Pto. General San Martin, Pcia. Santa Fe; Tandil, Pcia. Buenos Aires.
CONTACT: Jorge Oscar Fernandez, Dir.
Solvent cap. 700T/day; continuous press cap. 490T/day; storage cap. 80,000MT; soy meal, pellets, crude degummed and fully refined oil. Served by truck, rail, barge and ship.

MOLINOS RIO DE LA PLATA S.A. (P R SF IP)
Paseo Colon 746, Buenos Aires, 1323;
Ph. 30-8463, 30-8485, 33-3002 or 33-3003;
TLX: 22270 (MRPSA AR); Other locations: Avellaneda, Provincia de Buenos Aires; Barranqueras, Chaco.
CONTACT: Nolly Sirkis, Div. Mgr.
Solvent; cap. 1,800T/day; storage cap. 60,000MT; pellets, crude, fully refined, hydrogenated and fractionated oils; cooking/salad oils. Served by truck, rail and barge.

PIPOIL S.A. (P SF)
Santo Pipo, Misiones 3326, Ph. 17;
TLX: 76156 (KATE AR)
CONTACT: Alberto Vazquez, Engr.
Solvent; cap. 180MT/day; storage cap. 200T; crude oil and lecithin. Served by truck and ship.

SOCIEDAD ANONIMA FABRICAS Y REFINERIAS DE ACEITES (SAFRA) (P R SF IP)
Av. de Mayo 633, Piso 4°, Buenos Aires 1084,
Ph. 34-6154 or 34-4804; TLX: 21096 (SAFRA AR) or 17847 (SAFRA AR); Other plant: Valentin Alsina, Provincia de Buenos Aires.
CONTACT: Eduardo Colombo, Mgr.
Solvent cap. 400MT/day; continuous press cap. 400MT/day; storage cap. 40,000MT; pellets; crude, crude degummed, once refined and fully refined oil; cooking/salad oil. Served by truck.

AUSTRALIA

CARGILL PROCESSING LTD. (P R)
Affiliate of Cargill Inc., Minneapolis, MN, USA
425 Somerville Rd., West Footscray, Vic. 3012, Ph. 3140933; TLX: AA 30875;
Plant at: Narrabri N.S.W.
CONTACT: D. Bacon-Hall, Gen. Mgr.
Solvent; soy meal, crude and crude degummed oil. Served by truck and ship.

GARDNER SMITH PTY. LTD. (P R SF IP)★
P.O. Box 606, Neutral Bay Jct., Neutral Bay, NWS 2089, Ph. 909-2222;
TLX: 20824 (ENERGET AA).
Other plant at: Melbourne, Victoria.
CONTACT: Gary Seaton or Frank Binkley
Soy meal, hulls, crude degummed, once refined, fully refined and cooking/salad oil, industrial soy oil. Served by truck.

QUEENSLAND OILSEED CRUSHERS PTY. LTD. (P)★
Antimony St., Carole Park, Brisbane 4300, Queensland, Ph. 27-11766; TLX: 43619 (QOL AA).
CONTACT: Warren Burden
Solvent; cap. 300MT/day; soy meal, crude degummed oil. Served by truck and ship.

SOUTHERN PACKERS (R SF IP)★
Div. of Q.C.M.A. Ltd.
250 Ingles St., Port Melbourne 3207, Victoria, Ph. 645-1400; TLX: 33730 (SOPAK AA).
CONTACT: Michael A. Livesey, Div. Mgr.
Refining cap. 200MT/day; storage cap. 6,000 MT; fully refined oil, shortening, cooking/salad oil, industrial oil. Served by truck.

SOY PRODUCTS OF AUSTRALIA PTY. LTD. (P SF)
69 Power Rd., Bayswater, P.O. Box 66, 3153 Victoria, Ph. 729-1738.
CONTACT: P.N. Maddock, Plant Mgr.
Storage cap. 200,000 bu.; SOYVITA full-fat soy flour. Served by truck and rail.

VICTORIAN EDIBLE OIL PRODUCERS PTY. LTD. (R)★
Division of Gardner Smith Pty. Ltd.
3, Donaldson St., Port Melbourne, 3207, Victoria, Ph. 643261.
CONTACT: Murray Marsh, Plant Mgr.
Crude and refined vegetable oils.

AUSTRIA

VEREINIGTE FETTWARENINDUSTRIE GmbH & CO. KG. (R)
Vogelweiderstr 71-73, A-4600 Wels, Ph. 36771-16; TLX: 25528; Plants at: Innsbruck, Vienna and Wels.
CONTACT: Christian Rauch, Diplomingenieur
Crude, fully refined and fractionated oils, confectioning of vegetable oils and hardened fats. Served by truck and rail.

BANGLADESH

ABUL KHAIR VEGETABLE OIL INDUSTRIES LTD. (R)★
7/8, Nasirabad Industrial Area, Chittagong.
Refining cap. 9,000MT/year. Refined oil, vegetable ghee/vanaspati.

AL-MUSTAFA INDUSTRIES LTD. (R)★
83, Khatunganj, Chittagong.
Refining cap. 3,000MT/year. Refined oil, vegetable ghee/vanaspati.

DHAKA VEGETABLE OIL INDUSTRIES LTD. (R)★
Haribarpara, Fatullah, Narayangonj.
Refining cap. 15,000MT/year. Refined oil, vegetable ghee/vanaspati.

M. HABIB OIL MILLS LTD. (R)★
House No. 233A, Road No. 15, Dhanmondi Residential Area, Dhaka.
Refining cap. 9,000MT/year. Refined oil, vegetable ghee/vanaspati.

HASNI VANASPATI MANUFACTURING CO. LTD. (R)★
83, Khatunganj, Chittagong.
Refining cap. 6,000MT/year. Refined oil, vegetable ghee/vanaspati.

INTERNATIONAL OIL MILLS LTD. (R)★
North Patenga, P.O. Katgar, Chittagong.
Refining cap. 10,500MT/year. Refined oil, vegetable ghee/vanaspati.

OMAR OIL & VEGETABLE PRODUCTS (R)★
77/8, Moulvi Bazar, Dhaka.
Refining cap. 6,000MT/year. Refined oil, vegetable ghee/vanaspati.

RAHATIN INDUSTRIES LTD. (R)★
House No. 216, Road No. 15, Dhanmondi Residential Area, Dhaka.
Refining cap. 6,000MT/year. Refined oil, vegetable ghee/vanaspati.

RAHMANIA VANASPATI PRODUCTS LTD. (R)★
317, Khatunganj, Chittagong.
Refining cap. 4,500MT/year. Refined oil, vegetable ghee/vanaspati.

BELGIUM

CARGILL N.V. (P)
Affiliate of Cargill Inc., Minneapolis, MN, USA
Muisbroeklaan, Kaai 506, Antwerp, Ph. 425080; TLX: 33761.
CONTACT: Eric Leys
Solvent. CARGILL soybean meal. Served by rail.

UNION N.V. (R SF)
De Keyserlei 5 - Bus 1, Antwerp, B-2018, Ph. 2231370; TLX: 334895.
CONTACT: L.J.P. Janssens, Mgr.
Crude, crude degummed, once refined and fully refined oils; margarines; cooking/salad oil. Served by truck, rail, barge and ship.

VANDEMOORTELE N.V. (R SF)★
Prins Albertlaan 12, 8700 Izegem, Ph. 302222; TLX: 81622 (VAMO B).

CONTACT: J. Rabaut, Dir.
Fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil. Served by truck and barge.

BOLIVIA

INDUSTRIAS DE ACEITE S.A. (P R SF)★
Ballivian 262, P.O. Box 1759, Santa Cruz, Ph. 47008 or 47700; TLX: 4260 (IASA BV). Other plant at: Cochabamba.
CONTACT: Felipe Campbell, Gen. Mgr.
Solvent; crush cap. 300MT/day; storage cap. 45,000MT. Refining cap. 80MT/day; storage cap. 2,000 MT. Soy meal, crude, crude degummed, once refined, fully refined, hydrogenated, fractionated and cooking/salad oil. Served by truck, rail and ship.

SOCIEDAD ACEITERA DEL ORIENTE S.A. (SAO) (P R SF)
Parque Industrial, P.O. Box 1294, Santa Cruz, Ph. 35149, 36476 or 50888; TLX: 4299 (SAO BV).
CONTACT: Arturo Klaiman, Financial Director
Solvent cap. 200MT/day; continuous press cap. 180MT/day; storage cap. 25,000MT; soy meal, crude, crude degummed, once refined and fully refined oil; cooking/salad oil. Served by truck and rail.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO (P R SF IP)★
Rua Enxovia 423, Santo Amaro, Sao Paulo 04711, Ph. 548-5500; TLX: 22597 (BWEY BR). Other plants: Cambe, Maringa and Pirapozinho, Parana.
CONTACT: Liu Shun Ku, Exec. Dir.
Solvent; crush cap. 3,500MT/day; storage cap. 200,000MT. Refining cap. 200MT/day; storage cap. 61,000MT. Soy meal; crude, crude degummed, once refined, fully refined, hydrogenated and cooking/salad oil. Served by truck and rail.

CARGILL AGRICOLA S.A. (P R)
Affiliate of Cargill Inc., Minneapolis, MN, USA
Rua Olavo Bilac 157, Sao Paulo, 04671, Ph. 548-8122; TLX: 21268; Other plants: Ponta Grossa, Parana; Mairingue, Sao Paulo; Monte Alto, Sao Paulo.
CONTACT: Jose Roberto G. Ferreira, Adm. Dir., or Sergio Alair Barroso, Comm. Mgr.
Soy meal, pellets, crude, crude degummed, once refined and fully refined oils. Served by truck, rail and ship.

COMPANHIA BRASILEIRA DE OLEOS E DERIVADOS (COBRASOL) (P)★
Alameda Santos, 1357-3°, Sao Paulo, SP, 01419, Ph. 283-4222; TLX: 31140 (CBOD BR); Other locations: San Luis Gonzaga, RS; Porto Alegre, RS, Santo Angelo, RS.
CONTACT: Antoine G. Abbas, Gen. Mgr.
Solvent; cap. 1,000MT/day; storage cap. 75,000MT; soy meal and crude degummed oil. Served by truck and rail.

CONTINENTAL DE OLEOS VEGETAIS "CONTI-OLEOS" LTDA. (P)★
Estrada dos Bandeirantes, 1375, Maringa, Parana, 87100, Ph. 24-4111; TLX: 0442171 or 0442194. Main office: Sao Paulo.
CONTACT: Joe Sherman
Solvent; cap. 2,000MT/day; storage cap. 150,000MT; soy meal, crude degummed oil. Served by truck and rail.

COOPERATIVA CENTRAL AGROPECUARIA CAMPOS GERAIS LTDA. (COOPERSUL) (P)★
Rodovia Ponta Grossa, Palmeira, Km. 01, Ponta Grossa, Parana 84100, Ph. 248166, 248322 or 248657; TLX: 0422366 (CCCG BR).
CONTACT: Augusto Tezelli Netto
Solvent; cap. 600MT/day; storage cap. 22,000MT; soy meal, crude degummed oil. Served by truck.

GRANOLEO S.A. Com. Ind. Sementes Oleaginosas Derivados (P)
Av. Cavalhada No. 4.050, Porto Alegre, RS, Ph. 49-5957; 49-7734; 49-3757; 49-2211; TLX: 1702; Other plant: Estrada de Moinhos, Estrela, RS.
Ph. 712-1552; TLX: (051) 3337.
CONTACT: Wu Cheng-Tao, Tech. Dir.
Solvent; cap. 1,500T/day; storage cap. 90,000T; soy meal, crude degummed oil. Served by truck, rail and ship.

INDUSTRIA DE OLEOS PACAEMBU S.A. (P R SF)★
Rua Silva Teles, 1465 - Pari, Sao Paulo, CEP 03026, Ph. 291-8844; TLX: 22374 (IOLP); Other plants: Cascavel, Parana; Paranavai, Parana; Paranagua, Parana; Fatima Do Sul, Mato Grosso Do Sul.
CONTACT: Kanje Adachi, Mgr.
Solvent; crush cap. 1,500MT/day; storage cap. 100,000MT. Refining cap. 300MT/day; storage cap, 2,000MT. Soy meal, crude degummed, fully refined and cooking/salad oil. Served by truck and ship.

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) (P R SF IF)★
Praca Osvaldo Cruz 15-16°, Porto Alegre, RS, 90000, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
Solvent; crush cap. 5,000 MT/day; storage cap. 340,000MT. Refining cap. 800MT/day; storage cap. 22,336MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; soy flour; margarine, shortening, cooking/salad oil; industrial soy oil. Served by truck, barge, rail and ship.

INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) (P SF IP)★
Avenida Borges de Medeiros 659 - 12th Flr., Porto Alegre, RGS, 90000, Ph. 217799; TLX: 051-1732 (STEF BR).
CONTACT: Claudio Lange
Solvent; cap. 2,500MT/day; storage cap. 70,000MT. Soy meal, crude degummed oil, lecithin, soy flour, meat analogs, industrial soy oil. Served by truck, barge and rail.

INDUSTRIAL E COMERCIAL BRASILEIRA S.A. (INCOBRASA) (P)★
Senador Florencio, No. 12-10th Flr.,
Porto Alegre, RS, Ph. 25-4986 or 24-8697;
TLX: 051-1821.
CONTACT: Arthur Warth, Dir.
Solvent; cap. 2,160MT/day; storage cap. 18,000MT; soy meal, crude degummed oil. Served by truck, rail, barge and ship.

INDUSTRIAS J.B. DUARTE S.A. (P R SF IP)★
Rua dos Patriotas, 1382 Ipiranga, Sao Paulo, 04207, Ph. 274-8211; TLX: 21226, 33172 or 36622 (IJBD BR);
Other location: Santo Anastacio.
CONTACT: Archimedes Jorge Cortellazzi
Solvent, continuous and screw press; crush cap. 1,000MT/day; storage cap. 37,000MT. Refining cap. 400MT/day. Soy meal; hulls; crude, crude degummed, once refined, fully refined and hydrogenated oil; shortening and cooking/salad oil; lecithin. Served by truck and rail.

MINASA (P R SF IP)
Caixa Postal 1101, Campinas, SP 13.100,
Ph. 42-1966; TLX: 0191043 (MINA BR);
Other locations: Araraquara, SP; Arapongas, PR; Itumbiara, GO.
CONTACT: John B. Sieh, Gen. Mgr.
Soy meal, pellets, mixed feed, crude, crude degummed, once refined and fully refined oil, cooking/salad oil. Served by truck and rail.

PERDIGAO ALIMENTOS S.A. (P R SF IP)
Av. Nossa Senhora da Paz 722, 05349 Sao Paulo SP, Ph. 2688188; TLX: 23506 (PERD BR).
CONTACT: Juarez A. Leoni, Sls. Dr.
Solvent; cap. 1,200MT/day; soy meal, pellets, crude, crude degummed, once refined and fully refined oil, cooking/salad oil. Served by truck, rail and ship.

PRODUTOS ALIMENTICIOS DAS INDUSTRIAS GESSY LEVER LTDA. (R SF IP)
Divisao de Van den Bergh
Av. Vereador Jose Diniz, 3530,
Caixa Postal 60.091, Sao Paulo 01000,
Ph. 542-6111; TLX: 22795.
CONTACT: Samuel Aguirre Diaz, Tech. Dir.
Fully refined and hydrogenated oil, margarine, soaps. Served by truck.

REFINADORA DE OLEOS BRASIL S.A. (P R SF IP)
Av. Paulista, 2073–Conj. Horsa II, 2nd Flr.,
Sao Paulo, SP, 01311, Ph. 287-3122;
TLX: 32042 (NEVA BR) and 23827 (ROBR BR);
Other locations: Sao Caetano do Sul, SP; Araucaria, PR.
CONTACT: C.A. Walter or J.P. Mayor
Solvent; cap. 1,200MT/day; storage cap. 4,000,000 bu.; soy meal, pellets, crude, crude degummed, fully refined and hydrogenated oils; shortening, cooking/salad oil. Served by truck and rail.

RESEGUE INDUSTRIA E COMERCIO S.A. (P R SF)★
Rua Maria Paula, 88, Sao Paulo, 01319,
Ph. 259-2000; TLX: 24762 or 25303 (IROV BR).
Other plants: Bariri, SP; Sao Paulo, SP.
CONTACT: Pedro Laercio Fancio, Mgr.
Solvent; crush cap. 1,800MT/day; storage cap. 105,000MT. Refining cap. 530MT/day; storage cap. 16,000MT. Soy meal; crude degummed, fully refined and hydrogenated oil; shortening, cooking/salad oil. Served by truck and ship.

CANADA

CSP FOODS LTD. (P R)★
P.O. Box 750, Altona, Man. R0G 0B0,
Ph. 204-324-6481; TLX: 0757556 (CSP ALTO);
Main office: Saskatoon.
CONTACT: M. Funk or S. Braun
Solvent; crush cap. 600MT/day; storage cap. 720,000 bu. Refining cap. 90MT/day; storage cap. 4,300 MT. Soy meal, crude, crude degummed and fully refined oil. Served by truck and rail.

CSP FOODS LTD. (P R)★
MAIN OFFICE: Box 190, Saskatoon,
Sask. S7K 3K7, Ph. 306-244-1335;
TLX: 074-2730 (CSP SKN). Plants at: Altona, Man.; Harrowby, Man.; Nipawin, Sask.

CANADA PACKERS INC. (R SF)★
Edible Oils Division
30 Weston Rd., Toronto, Ont. M6N 3P4,
Ph. 416-766-4311; TLX: 069-69539. Other plants: Montreal, Wainwright and Winnipeg.
CONTACT: G. Morhun
Margarine, shortening and cooking/salad oil.

CANADIAN VEGETABLE OIL PROCESSING (P IP)★
Div. Canada Packers Inc.
Burlington & Victoria Sts., P.O. Box 618,
Station A, Hamilton, Ont. L8N 3K7,
Ph. 416-527-9121; TLX: 0618315 (CVOP HAM).
CONTACT: Anton Donkers, Gen. Mgr.
Solvent; Cap. 1,200MT/day; storage cap. 20,000MT. Soy meal, hulls and crude degummed oil. Served by truck and rail.

MAPLE LEAF MONARCH CO. (P R IP)★
Affiliate of Maple Leaf Mills, Ltd. and Lever Brothers, Ltd., Toronto
365 Evans Ave., Toronto, Ont. M8Z 5W7,
Ph. 416-252-5551;
TLX: 06-984560 (MLMONARCH TOR).
Other plant at: Windsor, Ont.
CONTACT: John McNamara or R.W. Robbins
Solvent; crush cap. 1,300MT/day; storage cap. 36,000MT. Refining cap. 220MT/day. Soy meal, hulls, crude degummed, once refined, fully refined and hydrogenated oil; industrial lecithin and soy oil. Served by truck, rail and ship.

VICTORY SOYA MILLS LTD. (P SF IP)★
Division of Central Soya Company, Inc. Ft. Wayne, IN, USA
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2.
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL).
CONTACT: C. M. Davis, Mgr. Commodity Oper. or R. A. Watson

Solvent; crush cap. 1,225MT/day; storage cap. 2,000,000 bu. Soy meal, animal/livestock feed, crude degummed oil, lecithin, soy flour. Served by truck, rail, barge and ship.

CHILE

AGRO INDUSTRIAL MIRAFLORES S.A. (P R)
12 Norte N° 1091, Talca, Ph. 31737;
TLX: 250149 (AIMSA CL); Plant at: Santiago, TLX: 240953 (AIMSA CL)
CONTACT: Arturo Nash V., Admn.
Solvent cap. 28T/day; continuous press cap. 50T/day; storage cap. 500MT; soy meal, fully refined oil. Served by ship.

ANGELINI-GRACE (CHILE) S.A. (P R SF)★
Victoria Suber Casseaux 381, Santiago,
Ph. 397561; TLX: 441023 (GRACE CL).
CONTACT: Ramon Bou, Operations Mgr.
Solvent; crush cap. 350MT/day; storage cap. 50,000MT. Refining cap. 100MT/day; storage cap. 4,000MT. Crude degummed oil, cooking/salad oil. Served by truck and rail.

SOCIEDAD AGRICOLA SUPER POLLO LTD. (P)
Casilla 333, Rancagua, Ph. 24943;
TLX: 251027 (SUPER CL)
CONTACT: Eugenio Bauer Jouanne, Admn. Mgr.
Screw press; cap. 130T/day; storage cap. 2,500T; SUPER POLLO mixed feeds and pellets.

COLOMBIA

ACEITALES S.A. (P R SF)★
Calle 12, No. 37-19, Bogota 6, Ph. 2378555;
TLX: 43121 (ACLES CO).
CONTACT: Hilda de Restrepo
Solvent; crush cap. 200MT/day; storage cap. 8,000MT. Refining cap. 150MT/day; storage cap. 6,000 MT. Soy meal, fully refined oil, lecithin, shortening and cooking/salad oil. Served by truck.

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS) (P R SF)
Carretera del Sur 57-21, Aptdo 12615, Bogota,
Ph. 383127; TLX: 41368.
CONTACT: Hernando A. Vergara V.
Solvent; cap. 150T/day; storage cap. 9,000T; soy meal, crude, crude degummed, fully refined, hydrogenated and fractionated oil, margarine, shortening and cooking/salad oil. Served by truck.

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A. (P R SF IP)
Carrera 1B, No. 47-12, Cali,
Ph. 422035 or 422641; TLX: 055706.
CONTACT: Luis Enrique Umana Rojas, Gen. Mgr.
Screw press cap. 22T/day; solvent cap. 150T/day; storage cap. 7,000MT; LA AMERICANA soy meal, crude, crude degummed, once refined, fully refined, hydrogenated oils and shortening. Served by truck.

FAGRAVE S.A. (P R IP)
Via 40 #53B-71, Barranquilla, Ph. 316120;
TLX: 33115 (AA 2289).
CONTACT: Eduardo Rosas, Plt. Mgr.
Solvent; cap. 120T/day; crude, crude degummed and fully refined oil. Served by truck and ship.

GRASAS S.A. (P R SF IP)★
Calle 11, No. 18-113, Apartado Aereo 85, Buga, Valle, Ph. 72021; TLX: 5866 (GRASA CO).
CONTACT: Guillermo Restrepo, Comm. Mgr.
Solvent; crush cap. 200MT/day; storage cap. 20,000MT. Refining cap. 60MT/day; storage cap. 2,500 MT. Soy meal, fully refined, hydrogenated, fractionated and cooking/salad oil; lecithin, margarine. Served by truck and rail.

GRASAS VEGETALES S.A. (GRAVETAL) (P R SF IP)★
Apartado Aereo 5002, Medellin; Ph. 880711 or 880320; TLX: 66797 (GVTAL CO).
CONTACT: Carlos Zuluaga, Mktg. & Sls. Mgr.
Solvent and screw press; crush cap. 300MT/day; storage cap. 4,000MT. Refining cap. 140MT/ day; storage cap. 2,000MT. Soy meal, fully refined and cooking/salad oil, lecithin, margarine, shortening. Served by truck, rail and ship.

LLOREDA GRASAS S.A. (P SF)★
Autopista Cali-Yumbo Kilometro 3, Apartado Aereo 1288, Cali, Ph. 645043; TLX: 055711 (LLOGR CO) or 51170 (LLOC CO).
CONTACT: Hugo Parra, Comm. Mgr.
Solvent; soy meal, crude and crude degummed oil; lecithin. Served by truck.

DENMARK

AARHUS OLIEFABRIK A/S (P R SF)★
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 12-60-00; TLX: 64341, 64342 or 64348 (PALMF DK).
CONTACT: H.F. Andersen, Merc. Dir.
Solvent; cap. 1,200MT/day; soy meal, crude, crude degummed, fully refined, hydrogenated and fractionated oil; soyfoods.

DANSK SOJAKAGEFABRIK ApS (R SF IP)★
24, Islands Brygge, DK-2300 Copenhagen S,
Ph. 546600; TLX: 31313 (DASOY DK).
CONTACT: J.B. Svennevig
Fully refined, hydrogenated, cooking/salad and industrial oil; lecithin. Served by truck and rail.

DOMINICAN REPUBLIC

PRODUCTORA NACIONAL DE ALIMENTOS BALANCEADOS S.A. (PRONALBA) (P R SF)★
Affiliate of Industrias Lavador C.A.
Ave. San Martin 124, P.O. Box 1383,
Santo Domingo, Ph. 809-565-2136;
TLX: 3460200 (LAVADOR)
CONTACT: Mario J. Cabrera, VP
Screw press; crush cap. 110MT/day; storage cap. 6,000MT. Refining cap. 110MT/day. Soy meal; animal/livestock feed; crude, crude degummed, once refined, fully refined and hydro-

genated oil; margarine, shortening, cooking/salad oil. Served by truck, barge and ship.

SOCIEDAD INDUSTRIAL DOMINICANA C.A. (P R SF IP)
P.O. Box 726, Santo Domingo, Ph. 565-1323; TLX: ITT 3460021 and RCA 3264210 (INDOCA)
CONTACT: Otto W. Bauer, Asst. Adm.
Screw press cap. 200MT/day; solvent cap. 200MT/day; storage cap 2,600MT; soy meal; crude, fully refined and hydrogenated oil; margarine, shortening and cooking/salad oil. Served by truck.

ECUADOR

FABRICA DE ACEITES LA FAVORITA S.A. (P R SF IP)★
P.O. Box 486, Guayaquil, Ph. 402840
TLX: 043174 (JARITA ED)
CONTACT: Xavier Vallarino, Pres.
Solvent; crush cap. 180MT/day; storage cap. 6,000MT. Refining cap. 200MT/day; storage cap. 5,000 MT. Soy meal, animal/livestock feed, crude degummed and fully refined oil, margarine, shortening, industrial lecithin. Served by truck and ship.

INDUSTRIAS ALES C.A. (P R SF IP)★
Caracas 138 y Salinas, P.O. Box A-4616, Quito, Ph. 230376; TLX: 2198 (ALESCA ED)
Plant at Manta.
CONTACT: Patricio Alvarez, Gen. Mgr.
Solvent; crush cap. 120MT/day; storage cap. 6,000MT. Refining cap. 80MT/day; storage cap. 5,000 MT. Soy meal; hulls; crude, fully refined, hydrogenated and cooking/salad oil; margarine, shortening; industrial soy oil. Served by truck and ship.

JABONERIA GUAYAQUIL (P R SF)★
Chimborazo 2.909 y Camilo Destruje, Guayaquil, Ph. 343703.
CONTACT: Eduardo Suarez
Continuous press facility under construction. Refining cap. 30MT/day; storage cap. 1,300MT. Crude oil, shortening, cooking/salad oil. Served by truck.

OLEICA S.A. (P R SF IP)
Km. 6½, Via a Daule, Casilla 3228, Guayaquil, Ph. 351300; TLX: 3234 (OLJACE ED)
CONTACT: Francisco Molano, Tech. Dir.
Solvent; cap. 100T/day; storage cap. 6,000 MT; soy meal, pellets, mixed feed, crude, crude degummed, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck and ship.

PRIMEROS HIDROGENADOS de ACEITES y GRASAS ECUATORIANAS S.A. (PHIDAYGESA) (P R SF)
Km. 16½, Via a Daule, Guayaquil, Ph. 351555; TLX: 043506 (PHIDAY ED)
CONTACT: Emilio Baquerizo V., Pres.
Solvent cap. 70T/day; continuous press cap. 50T/day; storage cap. 5,000T; soy meal, fully refined, hydrogenated and fractionated oils, margarines, shortenings, cooking/salad oils. Served by truck and ship.

EGYPT

AL ARZ INDUSTRIES (P R)★
West Noubariya Canal, P.O. Box 1984, Free Zone Alexandria, Ph. 803373 or 852260; TLX: 54214 (SINNO)
CONTACT: Arslan M. Sinno, CEO
Solvent; crush cap. 300MT/day; storage cap. 25,000 MT. Refining cap. 60MT/day; storage cap. 2,500MT. Soy meal, crude degummed and fully refined oil. Served by truck and ship.

THE EGYPTIAN FIRM OF INDUSTRY & TRADE (P R)★
Mahmoud Ali Mobarak & Co.
Gesr El Gergawiya El Gharby Street, P.O. Box 23, Souhag. Ph. 22116, 23118, 24771, 24772 or 24916; TLX: 24201 (MOBRK UN)
CONTACT: Bahaa Mobarak
Crush cap. 120MT/day; storage cap. 35,000MT. Refining cap. 120MT/day; storage cap. 2,000MT. Crude, crude degummed and hydrogenated oil.

ENGLAND

BOCM SILCOCK LTD. (P SF IP)★
BOCM House, Basing View, Basingstoke, Hampshire RG21 2EQ, Ph. 29211; TLX: 858429 (BSHO G); Plant at: Selby, Yorkshire.
CONTACT: E.G. Butterworth
Solvent; crush cap. 350MT/day; animal feeds, roasted soybeans and industrial soy oil.

SAMUEL BANNER & COMPANY LTD. (R IP)★
59/61 Sandhills Lane, Liverpool L5 9XL, Ph. 922-7871; TLX: 627025 (BANNER G).
Other plants: London and Glasgow.
CONTACT: C. J. Newman, Dir.
Crude degummed, once refined, fully refined oil. Served by truck, barge and ship.

THE BRITISH ARKADY CO. LTD. (P SF)★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
Old Trafford, Manchester M16 0NJ, Ph. 872-7161; TLX: 668488 (ARKADY G).
CONTACT: W. Pringle, Sales Dir.
Crush cap. 30MT/day; storage cap. 900MT; lecithin, meat analogs, soy beverages, soy flour and textured soy protein.

ERITH OIL WORKS LTD. (P)★
Church Manorway, Erith, Kent DA8 1DL, Ph. 36966; TLX: 896072.
CONTACT: S. T. Sanders
Solvent; crush cap. 1,700MT/day; soy meal, crude degummed oil. Served by truck, barge and ship.

VAN DEN BERGHS AND JURGENS LTD. (R SF)
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. 46300; TLX: 877381 (VDBJ BH G);
Other locations: Purfleet, Essex; Bromborough, Cheshire; Greenock; Renfrewshire (Scotland); Needham Market, Suffolk.
CONTACT: B.P. Backlog, O & F Mgr.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; margarines, shortenings, cooking/salad oils. Served by truck, barge and ship.

Try Our Improved "Old Process" Soybean Meal

We have kept all the good points of our soybean meal.

- High Fat and Energy Content
- No Solvent or Chemicals
- Low Trypsin Levels
- No Limestone Added

And still increased FLOWABILITY

Grain States Soya, Inc.

P.O. Box 157
West Point, Nebraska 68788

402/372-2429

FEDERAL REPUBLIC OF GERMANY

BROEKELMANN & CO. (P R)
D 4700 Hamm, Oelmuehle, Raffinerie, Speicherstr. 14-18; Ph. 44851-6; TLX: 1828843.
CONTACT: Dr. Luley
Screw press cap. 600T/day; solvent cap. 800T/day; storage cap. 15,000T; soy meal; crude, crude degummed, once refined and fully refined oils; cooking/salad oil. Served by truck, rail and barge.

WILHELM CONNEMANN (P R)
Saegemuehlenstrasse 45, D-2950 Leer, Ostfriesl, Ph. 4571; TLX: 027734.
CONTACT: Joosten Connemann or Klaus-Jurgen Dierks, Sales Mgr.
Screw press cap. 650T/day; solvent cap. 900T/day; storage cap. 5,000T; CONNESOY 44% pellets, meal and flour, sunpellets 29%, defatted wheat germ flour 30%, refinery 100T, sunoil, refined and winterized, rapeseed, maize and wheat germ oil. Served by ship.

HARBURGER OELWERKE BRINCKMAN & MERGELL (P R IP)
Seehafenstrasse 2, D-2100 Hamburg 90, Ph. 771140; TLX: 02-17681.
CONTACT: Klaus Buchholz, Purch. Dir.
Solvent cap. 1,000T/day; continuous press cap. 1,000T/day; storage cap. 7,000MT; soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck, rail, barge and ship.

NOBLEE & THORL GmbH (R SF)★
Seehafentrasse 24, P.O. Box 90-10-40, 2100 Hamburg 90, Ph. 77-16-81; TLX: 0217713 (NOBL D).
CONTACT: Rolf Spindler, Purch. Mgr.
Fully refined, hydrogenated and fractionated oils; shortening. Served by truck, rail, barge and ship.

O. & L. SELS KG (P R SF)
Duesseldorfer Str. 99-101, D-4040 Neuss/Rhein, Ph. 27990; TLX: 8517835 (SELS D)
CONTACT. O.G. Sels
Screw press cap. 1,200T/day; solvent cap. 2,100T/day; storage cap. 1,000,000 bu. Soy meal, crude, crude degummed, once refined and fully refined oils, lecithins. Served by rail and barge.

OELMUEHLE HAMBURG AG (P R SF)
P.O. Box 930-320, Kohlbrandstrasse 1, D-2102 Hamburg 93, Ph. 751941; TLX: 02-163537.
CONTACT: A.V. Wissel, VP
Solvent cap. 4,200T/day; soy meal, crude degummed and fully refined soy oil, soy lecithins and derivatives, protein meals and flours. Served by truck, rail, barge and ship.

OELWERKE NOURY & VAN DER LANDE GmbH (R SF IP)★
Industrietrasse 10, P.O. Box 1540, 4240 Emmerich/Rhein, Ph. 02822-741; TLX: 8125203 (NVL D).
CONTACT: F. Kielman, Sls. Mgr.
Refining cap. 220MT/day; storage cap. 5,000MT; fully refined, industrial and cooking/salad oil. Served by truck, barge, rail and ship.

OELWERKE SPYCK (P)
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Niederrhein 1, Postbox 2080, D-4190 Kleve, Ph. 9041.
CONTACT: H. Habig, Plant Mgr.
Solvent; cap. 790MT/day; storage cap. 18,000T. Served by rail and barge.

A. SAUMWEBER GmbH (R SF)★
Emil-Geis-Str. 3-7, Postfach 70 16 08, 8000 Munchen 70, Ph. 273-2026; TLX: 523556
CONTACT: W. Saumweber
Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; lecithin. Served by truck.

SOYA MAINZ GmbH & CO. KOMMANDITGESELLSCHAFT (P)
Dammweg 2, Postfach 3767, 6500 Mainz, Ph. 80051; TLX: 0418761 (A SM D)
CONTACT: Dieter Berres or Albert Wolf
Cap. 2,500T/day; storage cap. 1,000,000 bu.

F. THORL'S VEREINIGTE HARBURGER OELFABRIKEN (P R SF IP)★
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Postfach 90 14 40, D-2100 Hamburg 90, Ph. 771240; TLX 217678 (TORL D).
CONTACT: N. Schrakamp, Plant Mgr. (or Mr. Marussi (meal), Unimills, 3490-4621; Mr. Koschorreck (oil), Unimills, 3490-4613; or Mr. Kleinebenne, Unimills, 3490-2671).
Solvent; crush cap. 2,300MT/day; storage cap. 25,000MT. Refining cap. 400MT/day; storage cap. 30,000MT. Soy meal; crude degummed, once refined, fully refined and hydrogenated oil; lecithin; industrial soy oil. Served by truck, barge, rail and ship.

C. THYWISSEN (P R)★
Industriestrasse 33, Postfach 10-14-54, D-4040 Neuss, Ph. 26041; TLX: 8517803.
CONTACT: Matthias Fischer
Solvent; crush cap. 1,000MT/day; storage cap. 350,000 bu. Refining cap. 100MT/day; storage cap. 5,000MT. Soy meal, crude, crude degummed and fully refined oil. Served by truck, rail, barge and ship.

UNIMILLS (P R SF IP)★
Division of Union Deutsche Lebensmittelwerke GmbH
MAIN OFFICE: Dammtorwall 15, Unileverhaus, P.O. Box 101509, D-2000, Hamburg 36, Ph. 34901; TLX: 214571 (UMIL D)
CONTACT: John Le Pla

VEREIN DEUTSCHER OELFABRIKEN (P R SF IP)★
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Bonadiesstrasse 3-5, P.O. Box 2511, D-6800 Mannheim 1, Ph. 37041; TLX: 0463031.
CONTACT: Unimills, Hamburg
Solvent; crush cap. 3,200MT/day; storage cap. 30,000MT. Refining cap. 300MT/day; storage

cap. 10,000MT. Soy meal; crude, crude degummed and fully refined oil; lecithin. Served by truck, barge and rail.

WALTER RAU NEUSSER OEL UND FETT AG (R)
Industriestrasse 36, 4040 Neuss,
Ph. 208-0; TLX: D-8-517-827
Refining, hydrogenation, soy and other vegetable oils.

FINLAND

OLJYNPURISTAMO OY (P SF IP)★
P.O. Box 15, SF-00811, Helsinki,
Ph. 780155; TLX: 121518 (OILML SF).
CONTACT: P. Karri, Mktg. Dir.
Solvent; crush cap. 500MT/day; storage cap. 10,000MT. Soy meal, crude degummed oil, lecithin, soy flour. Served by truck, rail, barge and ship.

RAISION TEHTAAT (P R SF IP)
Oy Kasviojy-Vaxtolje AB
SF-21200 Raisio, Ph. 780311;
TLX: 62140 (RAUL SF).
CONTACT: Heikki Siintola, Mgr. Foreign Dept.
Continuous press cap. 250T/day; solvent cap. 500T/day; storage cap. 7,000MT; soy meal, crude degummed, fully refined, hydrogenated and fractionated oils; distilled fatty acids and byproducts. Served by truck, rail and ship.

FRANCE

COMEXOL S.A. (P)★
BP35, Quai Alfred de Vial, 33530 Bassens,
Ph. 06-4028; TLX: 541120.
Main office: 45 Ave. George V, 75008 Paris,
Ph. 723 0109
CONTACT: Bertrand Noel, Dir.
Solvent; cap 1,000MT/day; storage cap. 50,000MT; Soy meal, hulls, crude degummed oil. Served by truck, rail, and ship.

SOJA FRANCE S.A. (P)★
Affiliate of Cargill Inc.,
Minneapolis, MN, USA
Blvd. Leferme, St. Nazaire 44500,
Ph. 229107; TLX: 700941; Plant at: Brest.
CONTACT: J.L. Lapix, Gen. Mgr.
Solvent; cap. 1,650MT/day; storage cap. 40,000MT; soy meal and crude degummed oil. Served by truck, rail and ship.

GERMAN DEMOCRATIC REPUBLIC

VEB KOMBINAT OEL UND MARGARINE (P R SF IP)★
Berliner Chaussee 66, DDR-3014 Magdeburg,
Ph. 5870; TLX: 08247
Solvent. Soy meal; crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; margarine, shortening, cooking/salad oil; lecithin; industrial oil. Served by rail.

GREECE

AGROINVEST S.A. (P R)★
107, Kifissias Ave. and Panormou, Athens 11524, Ph. 6913213, 6913018 or 6910651; TLX: 210422 (AGRO GR)
CONTACT: T. E. Atherinos, Dir.
Solvent; crush cap. 1,000MT/day; storage cap. 60,000MT. Refining cap. 120MT/day; storage cap. 8,000MT. Soy meal, animal/livestock feed, crude, crude degummed, once refined and fully refined oil. Served by truck and ship.

SOYA MILLS S.A. (P R)★
9, Valaoritou Str., Athens, Ph. 3601002; 3601005 or 3601020; TLX: 214908 (SOMI GR);
CONTACT: E. Karatzas, Sls. Mgr.
Solvent; crush cap. 500MT/day; storage cap. 50,000MT. Refining cap. 100MT/day; storage cap. 10,000MT. Soy meal and fully refined oil. Served by truck and ship.

HAITI

SOCIETE D'EXPLOITATION D'OLEAGINEUX (SODEXOL, S.A.M.) (P R SF IP)★
P.O. Box 13460, Delmas, Port-au-Prince,
Ph. 20444 or 28202;
TLX: 2030438 (SODEXOL)
CONTACT: Eliezer Bashan, Gen. Dir.
Continuous and screw press; crush cap. 650MT/day; storage cap. 12,000MT. Refining cap. 130MT/ day; storage cap. 5,000MT. Soy meal; hulls; crude, crude degummed, once refined, fully refined and cooking/salad oil; lecithin; soy flour. Served by truck, barge and ship.

INDIA

ALLANA OIL MILLS (P R IP)★
Allana House, 4 Allana Rd., Colaba,
Bombay 400039, Ph. 243243 or 242030;
TLX: 11-3317 or 11-4849 (ALNA IN).
Other plant: Kalwa, Maharashtra.
CONTACT: B. Mallik
Solvent; crush cap. 150MT/day; storage cap. 10,000 MT. Refining cap. 200MT/day; storage cap. 7,500MT. Soy meal, crude degummed, once refined and fully refined oil. Served by truck, rail and ship.

DIPAK SOLVENT EXTRACTION INDUSTRIES (P R)★
Jawahar Road, Manavadar-362630, Gujarat,
Ph. 267, 268 or 508; TLX: 0169-253 (DISO IN);
CONTACT: G. G. Patel
Solvent; crush cap. 100MT/day; storage cap. 3,000MT. Refining cap. 50MT/day; storage cap. 1,000MT. Soy meal, fully refined oil. Served by truck and rail.

FOODS FATS & FERTILISERS LTD. (P R IP)
Post Box No. 15, Tanuku Road, Tadepalligudem 534101, Andhra Pradesh, Ph. 2571, 2525 or 2363.
CONTACT: Sushil Goenka, VP, Production
Solvent cap. 100MT/day; soy meal, pellets, fully

refined and hydrogenated oil. Served by truck, rail and ship.

GODREJ SOAPS LTD. (P R IP)★
Pirojshanagar, Eastern Express Highway, Vikhroli, Bombay 400079, Maharashtra, Ph. 584461 or 586861; TLX: 11-71480 (AVIX IN);
CONTACT: N.B. Godrej, Dir.
Solvent cap. 100MT/day; Screw press cap. 50MT/day; storage cap. 800MT. Refining cap. 25MT/day; storage cap. 400MT. Soy meal, crude, fully refined and hydrogenated oil. Served by truck, rail and ship.

J.K. EXPORT INDUSTRIES (P R)
Savitabag, Vadal Road, P.O. Box 37, Junagadh 362003, Ph. 1431; 2080; 1389; TLX: 0164-204 (LUCK IN).
CONTACT: M.B. Patel, Mgr.
Solvent cap. 110T/day; continuous press cap. 80T/day; soy meal, pellets, crude, once refined, fully refined, hydrogenated and fractionated oils. Served by truck.

JINDAL SOLVENT EXTRACTIONS (P R SF IP)
Kashipur-244713, Ph. 270 and 292.
CONTACT: Madar Mohan Jindal, Partner
Solvent; cap. 65T/day; storage cap. 10,000T; soy meal, crude and fully refined oil; soyfoods and industrial products. Served by truck.

KALYAN SOLVENT EXTRACTION LTD. (P R SF IP)★
MAIN OFFICE: 53 Bajaj Bhavan, Nariman Point, Bombay 400021, Ph. 202-4907 or 202-2087; TLX: 011-3187 (MOON IN). Plant at: Dewas, M.P.; Reg. office at: Indore, M.P.
CONTACT: K.C. Barjatya, Mgr. Dir.

KALYAN SOLVENT EXTRACTION LTD. (P R SF IP)★
Amona, Agra-Bombay Rd., Dewas, M.P., Ph. 7520 or 5150; TLX: 0735-327 (KESI IN). Main office: Bombay.
CONTACT: K.C. Barjatya, Mgr. Dir. (202-490/ or 202-2087).
Screw press; cap. 150MT/day; storage cap. 5,000 MT. Refining cap. 50MT/day; storage cap. 1,000MT. Soy meal, hulls, crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil, margarine, shortening, cooking / salad oil, lecithin, industrial soy oil. Served by truck, rail and ship.

KAPIL AGRO LTD. P R)
36, Chowringhee Rd., Calcutta 700071, Ph. 21-2517, 24-0721 or 24-0741; TLX: 021-7412 (IJCA IN) or 021-3158 (BLNT IN). Plant at: Narsinghpur, M.P.
CONTACT: Hemant K. Jalan, Dir.
Solvent; cap. 200T/day; soy meal, pellets; crude, crude degummed and fully refined oil. Served by truck, rail and ship.

KRISHNA EXTRACTIONS PVT. LTD. ★
Division of G.C. Goil & Sons
54, Mittal Chambers, Nariman Point, Bombay 400021. Ph. 2023610, 2028642, 2027488; TLX: 11-2079 (GCCO IN) or 11-5802 (GOIL IN).
Factory at: MIDC Industrial Area, Taloja, Panvel.
CONTACT: Krishna Kumar Goil
Solvent; crush cap. 150MT/day; storage cap. 8,200MT. Refining cap. 30MT/day; storage cap. 600MT. Soy meal, crude degummed and fully refined oil. Served by truck and ship.

LIBERTY OIL MILLS PVT. LTD. (P R SF IP)★
302, Dalamal House, 206 Nariman Point, Bombay 400021 Maharashtra, Ph. 244445; TLX: 011-6189 (LIBO IN).
CONTACT: Parvez Kader or A.R. Ganj
Solvent and screw press; crush cap. 200MT/day; storage cap. 2,500MT. Refining cap. 100MT/day; storage cap. 2,000MT. Soy meal, hulls; animal/livestock feed; crude, crude degummed, once refined, fully refined and hydrogenated oil; shortening; industrial soy oil. Served by truck, rail and ship.

M.P. OIL EXTRACTION PVT. LTD. (P R)★
P.O. Box 1, Malviya Path, Raipur 492001, Madhya Pradesh, Ph. 26674, 26670, 23429; TLX: 0775-215 or 0775-224 (MPOL IN).
CONTACT: Suresh D. Manik, Mgr. Dir. or Paresh Manik, Tech. Dir.
Solvent; crush cap. 120MT/day; storage cap. 8,000MT. Refining cap. 30MT/day; storage cap. 400MT. Soy meal, hulls, crude and fully refined oil. Served by truck and rail.

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD. (P)★
Pachama, Sehore, Madhya Pradesh. Main office: Bhopal.
CONTACT: U. R. Sahasranamam, Exec. Dir. (Ph. 64728)
Solvent; cap. 200MT/day; storage cap. 20,000MT; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD. (P)★
Banapura, Seoni Malwa, Dist. Hosangabad, Madhya Pradesh. Main office: Bhopal.
CONTACT: U. R. Sahasranamam, Exec. Dir. (Ph. 64728)
Solvent; cap. 200MT/day; storage cap. 20,000MT; soy meal, hulls, crude and crude degummed oil. Served by truck and rail.

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD. (R)★
Churhat, Sidhi 486771, Madhya Pradesh. Main office: Bhopal.
CONTACT: U. R. Sahasranamam, Exec. Dir. (Ph. 64728)
Refining cap. 100MT/day; storage cap. 3,000MT; hydrogenated oil. Served by truck and rail.

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD. (P R)★
Nagziri, Ujjain, Madhya Pradesh. Main office: Bhopal.
CONTACT: U. R. Sahasranamam, Exec. Dir. (Ph. 64728)
Solvent; crush cap. 400MT/day; storage cap. 20,000MT. Refining cap. 100MT/da, storage

cap. 3,000MT. Soy meal, hulls, crude, crude degummed and fully refined oil. Served by truck and rail.

M.P. STATE COOPERATIVE OILSEED GROWERS' FEDERATION LTD. (P R)★
MAIN OFFICE: Bhauwan Complex, 214 Maharana Pratap Nagar, Bhopal 462011, Ph. 64728, 67311 or 67312, TLX: 0705-248. Plants at: Pachama, Sehore; Seoni Malwa, Hosangabad; Churhat, Sidhi; Nagziri, Ujjain.
CONTACT: U. R. Sahasranamam, Exec. Dir.

MADHUSUDAN VEGETABLE PRODUCTS CO. LTD. (P R)
P.O. Rakhial Stn. 382315 Talukai Behgam, Ahmedabad, Gujarat, Ph. 22896, 22897, 22898; TLX: 012-482; Other locations: Rakhial, Kadi, Mehsana (Gujarat).
CONTACT: R.S. Saraogi, C.E.O.
Solvent; cap. 50T/day; storage cap. 1,000MT; soy meal, crude, crude degummed and fully refined oils. Served by truck, rail and ship.

MALWA PROTEINS & OILS PVT. LTD. (P)
E-5/90, Arera Colony, Bhopal (MP) 462016, Ph. 64891; TLX: 0705-276 (MPOL IN); Other factory: Maksi (Gadroli) Industrial Estate, Maksi Dist., Shajapur (MP).
CONTACT: Deepak Suryavanshi, Mgr. Dir.
Solvent; cap. 60T-100T/day; storage cap. 4,000T; soy meal, crude and crude degummed oil. Served by truck, rail, barge and ship.

MANSINGHKA OIL PRODUCTS LTD. (P R)★
1111 A, Raheja Chambers, 213 Nariman Point, Bombay 400021, Ph. 243810, 225691 or 225740; TLX: 11-4953 (MOPL IN); Other plant at: Amravati, Maharashtra.
CONTACT: Mahendra Kumar Mansingka.
Continuous and screw press; cap. 200MT/day; storage cap. 5,000MT. Refining cap. 25MT/day; storage cap. 500MT. Crude and fully refined oil. Served by truck and rail.

MATUSHRI OIL MILLS LTD. (P)★
1111 A, Raheja Chambers, 213 Nariman Point, Bombay 400021, Ph. 243810, 225691 or 225740; TLX: 11-4953 (MPOL IN); Other plant at: Pachora, Maharashtra.
CONTACT: Narendra Kumar Mansingka.
Continuous and screw press; cap. 100MT/day; storage cap. 2,000MT. Crude oil. Served by truck and rail.

NARMADA SAHAKARI TEL PRAKRIYA SAMITI MARYADIT (P R)★
Narmada Rd., Barwaha 451115, Ph. 147 or 104, TLX: 0735-262 (NCOP IN).
CONTACT: N.N. Shrivastav, Mgr. Dir.
Solvent; 40MT/day; soy meal, crude and fully refined oil. Served by truck, rail and ship.

NAV MAHARASHTRA CHAKAN OIL MILLS (P R)★
42/43, Shankar Rd., Pune, Maharashtra, Ph. 66406 or 66407; TLX: 0145-349 (NMC IN); Other plants at: Ahmednagar and Kupwad, Sangli.
CONTACT: Shantilal R. Lunkad.
Solvent; crush cap. 270MT/day. Refining cap. 18MT/day; storage cap. 28MT. Soy meal, animal/livestock feed, crude, once refined and fully refined oil. Served by truck and rail.

OLYMPIC OIL INDUSTRIES LTD. (R)★
1111 A, Raheja Chambers, 213 Nariman Point, Bombay 400021, Ph. 243810, 225691 or 225740; TLX: 11-4953 (MPOL IN); Other plant at: Pachora, Maharashtra.
CONTACT: Narendra Kumar Mansingka.
Refining cap. 30MT/day; storage cap. 300MT. Fully refined oil. Served by truck and rail.

OSWAL AGRO MILLS LTD. (P R IP)
107-108 Padma Tower-1, 5 Rajndra Place, New Delhi 110008, Ph. 5715150, 5715317 or 5715103; Plants at: Ludhiana, Punjab; Mandideep (Raisen), M.P.
CONTACT: Abhey Kumar Oswal, Man. Dir. or K.L. Jain, Chief Exec.
Solvent; cap. 300MT/day; soy meal, pellets; crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck and rail.

PRAG ICE & OIL MILLS (P R SF IP)★
Ramghat Road, Aligarh 202001, U.P., Ph. 5523, 5525, 5625 or 3368; TLX: 564202 (PRAGMILLS ALG).
CONTACT: S.N. Agarwal.
Solvent; crush cap. 60MT/day; storage cap. 4,000MT. Refining cap. 10MT/day; storage cap. 200MT. Soy meal, hulls, animal / livestock feed, crude oil, white flakes for edible purposes, fully refined and hydrogenated oil; soy flour and concentrates. Served by truck and rail.

PREMIER EXTRACTIONS PVT. LTD. (P R SF)
45/47 A, Industrial Area, A.B. Rd., Dewas, M.P., Ph. 5989, 38705 or 236-854; TLX: 0735-306 (PREM IN).
CONTACT: G. L. Agrawal, Mgr. Dir.
Solvent; cap. 150MT/day; storage cap. 10,000MT; soy meal, crude and fully refined oils. Served by truck and rail.

PRESTIGE FOODS PVT. LTD. (P R SF IP)★
30, Jaora Compound, M.Y.H. Road, Indore 452001, M.P., Ph. 4633, 21725 or 34014; TLX: 735205 (PFM IN); Other locations: Dewas, M.P. and Ambala, Haryana.
CONTACT: Davish Jain, Dir.
Solvent and screw press; crush cap. 200MT/day; storage cap. 8,000MT. Refining cap. 50MT/day; storage cap. 500MT. Soy meal, hulls, animal/livestock feed; crude and crude degummed oil; white flakes for edible purposes; once refined, fully refined, cooking/salad oil; lecithin; soy flour. Served by truck, rail and ship.

RAJANI EXTRACTIONS (P R)★
15, Jaora Compound, Indore 452001, M.P., Ph. 5163, 4845 or 7722.
CONTACT: G.J. Rajani, Partner.
Solvent; crush cap. 60MT/day; storage cap. 360MT. Refining cap. 20MT/day; storage cap. 120MT. Soy meal, crude and fully refined oil. Served by truck and rail.

RASOI LTD. (R IP)
20 Sir R.N. Mukherjee Road, Calcutta, W. Bengal, 700001, Ph. 230114; TLX: 0212904 (RASO IN). Other locations: Kundli, Haryana; Bhiwani, Haryana; Madhyamgram, West Bengal.
CONTACT: Raghu Mody, Chrmn.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oil; soaps. Served by truck and rail.

SHREE KANTI OIL MILLS (P R)
Anand Building, 82/84, Kazi Syed St., Bombay 400003, Ph. 322797 or 335521; TLX: 0113581 (KNTI IN).
Other location: Jamnagar Gujarat.
CONTACT: K.H. Badiani, Partner
Solvent cap. 100MT/day; continuous press cap. 25MT/day; storage cap. 10,000MT; soy meal, crude oil, fully refined oil.

SHRIRAM FOODS & FERTILISER INDUSTRIES (R SF)★
Affiliate of D.C.M. Ltd., Delhi
Kanchenjunga Bldg., 5th Floor, 18 Barakhamba Rd., New Delhi 110001, Ph. 40171; TLX: 031-2416 (SFFI IN).
CONTACT: Marketing Dept.
Refining cap. 250MT/day; storage cap. 6,400MT. Fully refined and hydrogenated oil, shortening, cooking/salad oil.

SOYABEAN EXTRACTION PVT. LTD. (P)★
143 Jolly Maker Chambers Two, 14th Flr., 225 Nariman Pt., Bombay 400021, Ph. 2021320, TLX: 3078 (UTPA IN).
CONTACT: Nitin Goel, Dir.
Solvent; cap. 50MT/day; soy meal, animal/livestock feed; white flakes for edible purposes. Served by truck, rail and ship.

TRI-STAR SOYA PRODUCTS LTD. (P R)★
1111-A, Raheja Chambers, 213 Nariman Point, Bombay, 400021, Ph. 243810, 225691 or 225740; TLX: 11-4953 (MOPL IN).
CONTACT: Mahendra Kumar Mansingka
Solvent; crush cap. 250MT/day; storage cap. 10,000MT. Refining cap. 45MT/day; storage cap. 1,000MT. Soy meal, hulls, fully refined oil. Served by truck and rail.

VARDHMAN SOLVENT EXTRACTION INDUSTRIES LTD. (P R IP)★
Subsidiary of Premier Vegetable Products, Ltd., Jaipur
Industrial Area, Mhow-Neemuch Rd., Jaora 457226, M.P., Ph. 446 or 461; TLX: 735349 (VSEI IN).
CONTACT: Vivek Malpani or S.N. Saboo
Solvent, continuous press and screw press; crush cap. 150MT/day; storage cap. 5,000 MT. Refining cap. 50MT/day; storage cap. 1,000MT. Soy meal; hulls; crude, crude degummed, once refined and fully refined oil; industrial lecithin; soy flour, soy oil. Served by truck and rail.

VIKAS EXPORT INDUSTRIES (P R)★
1, Gandhi Chambers, Gondal Rd., Rajkot 360002, Gujarat, Ph. 88971, 88972 or 6202; TLX: 169281 (VEIR IN).
CONTACT: D.G. Patel
Solvent; crush cap. 50MT/day; storage cap. 1,000 MT. Refining cap. 30MT/day; storage cap. 200MT. Soy meal, fully refined oil. Served by truck, barge, rail and ship.

VISHWA OIL PRODUCTS LTD. (P R)★
Mansingka Chambers, 258 Kalbadevi Road, Bombay 400002, Maharashtra, Ph. 315482 or 252354; TLX: 4401 (SMOM IN). Other plant at: Indore.
CONTACT: S.K. Mansingka, Mgr. Dir.
Solvent; crush cap. 200MT/day; storage cap. 10,000MT. Refining cap. 50MT/day; storage cap. 500MT. Soy meal, crude and fully refined oil. Served by truck and rail.

INDONESIA

PT SARPINDO SOYABEAN INDUSTRI (P R SF)★
Affiliate of Sinar Mas, Jakarta
Jalan Jembatan Tiga Blok F-G, Pluit, Jakarta, Ph. 661522; TLX: 46020 (SH JKT).
CONTACT: George C. Yang
Solvent; crush cap. 1,000MT/day; storage cap. 50,000MT. Refining cap. 200MT/day; storage cap. 2,000MT. Soy meal, crude degummed and cooking/salad oil. Served by truck, barge and ship.

ISRAEL

ETZ HAZAYITH LTD. (P R SF IP)
P.O. Box 193, Petah Tikva 49101, Ph. 927171; TLX: 341859 (ETZHL ILG).
CONTACT: J. Sarid, Gen. Mgr.
Solvent; cap. 600T/day; storage cap. 2,000T; soy meal; crude, crude degummed, once refined, fully refined, hydrogenated soy oil; lecithin, flour, margarine and shortening. Served by truck and rail.

IZHAR OIL INDUSTRY OF ISRAEL LTD. (P R IP)
P.O. Box 823, Tel-Aviv, Ph. 242555; TLX: 33441 (OCEAN IL).
Plant at: 52 Nahlatizhak St., Tel-Aviv.
CONTACT: M. Mitelman, Dir.
Solvent; cap. 600T/day; storage cap. 10,000MT; soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oils. Served by truck and rail.

OLIVEX LTD. (P R SF)
25 Rothschild Blvd., P.O. Box 1498, Tel-Aviv 61014, Ph. 614451; TLX: 341118 (BXTV IL); CABLE: EXOLIV. Plant at: Petah Tikva.
CONTACT: Wolf Cegla, Uriel G. Cegla or Ronit Silon
Solvent cap. 600MT/day; continuous press cap. 200MT/day; storage cap. 3,500T; soy meal; crude, crude degummed, once refined and fully refined oils; cooking/salad oil. Served by truck.

SHEMEN INDUSTRIES LTD. (R SF)★
2 Tovin St., P.O. Box 136, Haifa 31001, Ph. 670491; TLX: 46776 (KFOOD IL).
CONTACT: Z. Neumann, Mktg. Dir.
Crude degummed, once refined and fully refined oil; lecithin.

TAVLIN LTD. (P R)
Box 36, Rishon-le-Zion, Ph. 948 224.
CONTACT: I. Cohen, Plant Mgr.
Solvent; cap. 400T/day; storage cap. 1,600T; 44% soy meal, crude, crude degummed, once refined and fully refined oils; undecorticated cottonseed meal; approx. soybean operations 80%. Served by truck.

TETH BETH LTD. (P R SF IP)
P.O. Box 147, Petah Tikva 49101, Ph. 913191;
TLX: 341962 (TB IL).
CONTACT: Ezra Berger, Mgr.
Solvent cap. 700T/day; continuous press cap. 150T/day; storage cap. 17,000T; soy meal; crude, crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; industrial products. Served by rail.

ITALY

CHIARI & FORTI S.p.A. (R SF)★
Affiliate of Quaker Oats
Via Cendon, 20, Silea TV 31057,
Ph. 5831; TLX: 410190 (TOPAZ I)
Refining cap. 200MT/day; storage cap. 1,500MT. Fully refined and cooking / salad oil. Served by truck.

GIACOMO COSTA FU ANDREA S.p.A. (P R)★
Via Gabriele d'Annunzio 2, C.P. 492, Genova, 16100, Ph. 54831, TLX: 270068 (COSTA I);
Plants at: Alessandria and Milano.
CONTACT: Lorenzo Costa, Co-owner
Solvent; cap. 800T/day; storage cap. 45,000T; COSTA soy meal, crude degummed and fully refined oils, cooking/salad oil, soy lecithin; approx. soybean operations 90%. Served by truck, barge and ship.

I.G.O.R. S.p.A. (R SF)
Via Milano 3, Orzinuovi, 25034, Ph. (030) 941761-2-3-4-5; TLX: 300054 (IGEAOR).
CONTACT: Zanisi Adriano, Pres.
Crude, crude degummed, once refined, fully refined, hydrogenated and fractionated oils; margarine and shortening.

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC) (P R SF IP)
Molo Sud, Zona Industriale, Ancona,
Ph. 55771; TELEGRAPH: ICIC Ancona;
TLX: 560035 (ICIC A) - 560866 (ICIC B).
CONTACT: Fabio Russo, Asst. Gen. Mgr.
Solvent; cap. 800T/day; storage cap. 46,000MT/day; soy meal, crude, crude degummed and fully refined oils; cooking/salad oil. Served by truck.

ITALIANA OLII E RISI S.p.A. (P R)★
Via Romolo Gessi, 20, Ravenna, 48100,
Ph. 0544-31222; TLX: 680045. Other plants at: Porto Marghera, Venezia; and Aprilia, Latina.
CONTACT: Gianfranco Ceroni
Solvent; cap. 3,000T/day; press cap. 400T/day; storage cap. 160,000MT; soy meal; crude, crude degummed, once refined and fully refined oils; soy lecithin. Served by truck, ship and rail.

LIQUIFARM-GRUPPO Industrie Alimentari S.p.A. In Amministrazione Straordinaria (P R SP IP)
Via L. da Vinci 19, Livorno, Ph. 34731;
TLX: 500053; CABLE: GIAMIX.
CONTACT: Erminio Cipolla, Plant Mgr.
Solvent; cap. 300T/day; storage cap. 450T; plant storage, 50,000T; soy meal; pellets; mixed feed; crude, crude degummed and fully refined oils. Served by truck and rail.

S.I.O. S.p.A. (P R SF IP)
Via Farini, N. 56, Modena, 41100, Ph. 222571;
TLX: 510138 (SIO MO I).
Plants at: Castelfiorentino, Modena and Ravenna.
CONTACT: Paolo Domenichini, Administrator
Soy meal; crude degummed and fully refined oil; lecithin, soyfoods, industrial products, cooking/salad oil.

SOCIETA' VASTESE OLII ALIMENTARI S.p.A. (SVOA) (R SF)★
Affiliate of FINSPA S.p.A., Rome
Localita Punta Penna, Zona Industriale,
Vasto Porto 66054, Ph. 50144;
TLX: 600059 (SVOA I).
CONTACT: L. Sabatucci, Gen. Mgr.
Refining cap. 100MT/day; storage cap. 6,500MT. Fully refined and cooking/salad oil. Served by truck.

STAR STABILIMENTO ALIMENTARE S.p.A. (R SF)★
Via Matteotti 142, 20041 Agrate Brianza, Milano,
Ph. 6550; TLX: 330133 or 341274.
CONTACT: Uccelli Giacomo
Refining cap. 150MT/day; storage cap. 3,000MT. Fully refined and hydrogenated oil, margarine, cooking/salad oil. Served by truck.

VAN DEN BERGH (R SF)★
Division of Unilever (Italy) S.p.A.
Via N. Bonnet 10, 20154 Milan,
Ph. 6233; TLX: 332582 (VDB I)
CONTACT: G. Marzi
Refining cap. 300MT/day. Fully refined hydrogenated oil; margarine, shortening, cooking / salad oil. Served by truck, rail, and ship.

JAMAICA

JAMAICA SOYA PRODUCTS INDUSTRIES LTD. (P R)★
P.O. Box 27, Rhoden's Pen, Old Harbour,
St. Catherine, Ph. 983-2217 or 983-2244;
TLX: 2318 (JANU HOLD)
CONTACT: F.A. Anderson, Gen. Mgr.
Solvent; crush cap. 300MT/day; storage cap. 10,000MT. Refining cap. 55MT/day; storage cap. 400MT. Soy meal, crude and once refined oil. Served by truck.

JAPAN

AJINOMOTO CO. INC. (R SF IP)★
5-8, 1-Chome, Kyobashi, Chou-ku, Tokyo 104,
Ph. 272-1111.

CONTACT: N. Mizoguchi, Plant Mgr.
Refining cap. 700MT/day; storage cap. 14,200 MT; fully refined, hydrogenated and fractionated oil, shortening, margarine, cooking/salad oil; lecithin, meat analogs, soy flour, soy sauce. Served by truck, barge and ship.

FUJI OIL CO. LTD. (P R SF)★
6-1 Hachiman-cho, Minami-ku, Osaka 542,
Ph. 213-8158; TLX: 522-2057; Other plants at: Isumisano and Kobe.
CONTACT: Iwao Sunagawa
Solvent; crush cap. 300MT/day; storage cap. 3,000MT. Refining cap. 60MT. Soy meal; crude, crude degummed oil; white flakes for edible purposes; fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; soy flour. Served by truck, barge and ship.

HOHNEN OIL CO. LTD. (P R SF IP)
Mitsui Life Insurance Bldg., 1-2-3,
Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511;
Plants at: Kobe and Shimizu.
CONTACT: R. Senbongi, Plant Mgr.
Solvent; cap. 2,000T/day; storage cap. 90,000T; HOHNEN soy meal, SOYALET mixed feed for dairy and beef cattle, crude, crude degummed, once refined and fully refined oils, HOHNEN YU-TAKAMAME meal for tofu, HOHNEN ELF health food with vitamin E, vitamin F and soybean lecithin, corn starch, salad and tempura oil, soy protein and soy milk, soy lecithin, soybean glue, SOY PRO culture ground for microbes, synthetic resin adhesives. Served by truck, barge, rail and ship.

KATO OIL MILL CO. LTD. (P R)
2-1-16, UmeMachi, KonoHana-ku, Osaka
Ph. 462-0101. Plants at: Tamano City and Takamatsu City.
CONTACT: Tokushiro Kato, Pres.
Screw press cap. 188T/day; solvent cap. 300T/day; storage cap. 13,000MT; soy meal and fully refined oil. Served by truck.

NIKKO OIL MILLS CO. LTD. (P R SF)
Kowa Hitotsubashi Bldg., 3-5-1 Kanda, Nishiki Cho, Chiyoda-ku, Tokyo, Ph. 233-3951;
TLX: 222-4940 (NIKOIL); Plant at: Mizushima, Kurashki Okayama Pref., Ph. 48-3232.
CONTACT: F. Nonaka, Mgr. Dir.
Screw press cap. 500MT/day; solvent cap. 1,400MT/day; storage cap. 46,500MT; NIKKO DASSHIDAIZU, NIKKO MAME and SAKAE MAME soy meal, rapeseed and other vegetable meal, crude, crude degummed, once refined and fully refined oils, cooking/salad oil, rapeseed oil and other vegetable oils. Served by truck, barge, ship and rail.

THE NISSHIN OIL MILLS, LTD. (P R SF IP)
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo
Ph. 03-555-6923; Plants at: Yokohama and Kobe.
CONTACT: T. Okumori, Plant Mgr.
Solvent; cap. 3,300T/day; storage cap. 115,000T; DAIKYUI soy meal, pellets, soy flour, soybean edible protein, salad oil, margarine, shortening, lecithin, fatty acid, hardened oil, other vegetable oil and meals. Served by truck, rail, barge and ship.

TOYO OIL MILLS CO. INC. (P R SF IP)★
Subsidiary of Ajinomoto Co. Inc., Tokyo
230-ban Shinminato, Chiba-Shi 260, Tokyo,
Ph. 411251.
CONTACT: N. Tachikawa, Supt. or Oil Dept., Ajinomoto Co., Inc.
Solvent; crush cap. 3,000MT/day; storage cap. 83,000MT. Refining cap. 720MT/day; storage cap. 10,000MT. Soy meal; crude degummed and once refined oil; white flakes for edible purposes; lecithin. Served by truck, barge and ship.

YOSHIHARA OIL MILLS LTD. (P R SF IP)★
1-2-2, Uchisaiwai-cho, Chiyoda-ku, Tokyo,
Ph. 591-9275. Plant at: Kobe.
CONTACT: S. Nagano, Sales Mgr.
Solvent; cap. 1,500MT/day; storage cap. 40,000MT. Soy meal, crude, crude degummed, fully refined and cooking/salad oil; white flakes for edible purposes; soy flour.

JORDAN

JORDAN FEED COMPANY (P)
King Hussein Street, P.O. Box 499. Amman,
Ph. 25617, 36243 or 38243;
TLX: 21241 (PROVIM JO).
CONTACT: N. Hammoudeh, Gen. Mgr.
Soy meal and mixed feed. Served by truck and ship.

KOREA

CHEIL SUGAR & CO. LTD. (P R SF)★
17th Floor, Dong Bang Main Bldg.,
150, 2-Ka, Tae Pyung-ro, Chung-Ku, Seoul,
Ph. 756-3436; TLX: 23762 (CHESUCO K).
Other plant at: Inchon
CONTACT: J. S. Kim, Sr., Managing Dir.
Solvent; crush cap. 1,200MT/day; storage cap. 3,000MT. Refining cap. 230MT/day; storage cap. 4,000MT. Soy meal, hulls, animal/livestock feed; crude, crude degummed oil; white flakes for edible purposes; once refined, fully refined, cooking/salad oil; lecithin. Served by truck and ship.

DONG BANG CORPORATION (P R SF IP)★
2, 4-Ka, Yangpyong-Dong, Yungdungpo-ku,
C.P.O. Box 3031, Seoul, Ph. 676-9121;
TLX: 27334 (DBCORP). Other plants at: Chinhae, Pusan and Incheon, Korea.
CONTACT: Jang Hong Yoo, Dir.
Solvent; crush cap. 2,225MT/day; storage cap. 67,000MT. Refining cap. 510MT/ day; storage cap. 13,180MT. Soy meal; animal/livestock feed; crude, crude degummed oil; white flakes for edible purposes; fully refined, hydrogenated and cooking/salad oil; lecithin, soy flour. Served by truck, barge, rail and ship.

LOTTE CHILSUNG BEVERAGE CO., LTD. (P SF)★
Seorak Bokji Center, 5th Floor,
433 Shinsa-Dong, Kangham-Ku, Seoul,
Ph. 593-7141; TLX: 26465 (LT CONST K)
CONTACT: Chung-Hyun Kim, Plng & Dev.
Continuous press; cap. 5MT/day; soy meal for soy beverages. Served by truck.

SAM YANG OIL & FEED CO. LTD. (P R)★
51-1 Susong-dong, Jongro-ku, Seoul 110,
Ph. 313-0157; TLX: 23275 or 26138 (SAMYANG); Plant at: Inchon.
CONTACT: Byung-Wook Lee, Pres.
Solvent; crush cap. 300-330MT/day; storage cap. 15,000MT. Refining cap. 100-120MT/day; storage cap. 3,000MT. Soy meal, hulls, crude, crude degummed and fully refined oil. Served by truck.

KUWAIT

KUWAIT FLOUR MILLS CO. S.A.K. (P R)
Jamal Abdulnasser St., P.O. Box 681 Safat,
Ph. 841866; TLX:22209 (MATAHEN)
CONTACT: Bader A. Al Mousa, Gen. Mgr.
Solvent; cap. 50T/day; storage cap. 12,000MT; soy meal, fully refined and hydrogenated oil, shortening and cooking oil. Served by truck and ship.

MALAYSIA

MALAYAN FLOUR MILLS BHD.(P)
Wisma MCA, 10th Fl., Jalan Ampang,
Kuala Lumpur, Ph. 419066;
TLX: 30378 (FLOUR MA);
CABLE: FLOURMILL KUALA LUMPUR.
Other plants at: Lumut and Perak.

PASIR GUDANG EDIBLE OILS SDN. BHD. (P R)★
P.O. Box 80, Kawasan Lembaga, Pasir Gudang,
Johor, Ph. 512014; TLX: 60678 (PGEOPG MA).
CONTACT: Kwok Kian Hai, Gen. Mgr.
Solvent; crush cap. 350MT/day; storage cap. 28,000MT. Refining cap. 300MT/day; storage cap. 200MT. Soy meal, crude degummed and fully refined oil. Served by ship.

SOCOIL CORPORATION BHD. (R SF)★
167, Jalan Kem, P.O. Box 107, Port Klang,
Selangor, Ph. 387306, 387307 or 387308; TLX: 39706 (SOCOIL MA)
CONTACT: Alan Ng, VP
Refining cap. 60MT/day; storage cap. 500 gal. Crude degummed, fully refined and hydrogenated oil, margarine, shortening, cooking/salad oil. Served by truck and ship.

SOON SOON OIL MILLS SDN. BHD. (P)★
Plot 94, Lorong Perusahaan Dua, Prai Industrial Estate, Prai, Province Wellesley, Penang,
Ph. 348277; TLX: 40774 (SSOON MA).
CONTACT: Neoh Soon Bin or Ooi Pitt Hong
Solvent; cap. 450MT/day; storage cap. 20,000 MT; soy meal, crude degummed oil. Served by truck and ship.

MALTA

THE EDIBLE OIL REFINING CO. LTD. (R SF)
Mgieret Rd., P.O. Box 539, Marsa,
Ph. 623613; TLX: 1420MW (OIL REF).
CONTACT: J. Parnis England, Mgr. Dir.
Fully refined oils; margarine, shortening and cooking/salad oil. Served by truck.

MEXICO

ACEITE CASA S.A. (P R SF)
Ave. Ceylan, No. 793, Col. Industrial Vallejo;
TLX: 177-1716 (CASA ME).
CONTACT: Enrico Cusi, Owner
Solvent cap. 300MT; continuous press cap. 450MT/day; storage cap. 20,000MT; soy meal; crude, crude degummed, once refined and fully refined oil. Served by truck and rail.

ACEITERA LA JUNTA S.A. (P)
Calzada Gobernador Curiel No. 4781,
P.O. Box 9-3, Guadalajara, Jalisco,
Ph. 12-65-46; TLX: 684012 (LAJU ME).
CONTACT: Julio Caesar Gomez Fernandez, Dir.
Screw press cap. 150T/day; solvent cap. 300T/day; continuous press cap. 400T/day; storage cap. 40,000MT; soy meal, mixed feeds and pellets, crude and crude degummed oil; approx. soybean operations 25,000T-30,000T/year. Served by truck and rail.

ACEITERA MATAMOROS S.A. DE C.V. (P IP)
Av. Uniones S/N, Zona Industrial,
H. Matamoros, Tamaulipas, C.P. 87310,
Ph. 38942, 38943 or 38959;
TLX: 35016 (AMAT ME).
CONTACT: Pablo R. Penaloza, Mgr.
Solvent cap. 300T/day; continuous press cap. 300T/day; storage cap. 30,000MT; soy meal, crude and crude degummed oil. Served by truck and rail.

ACEITES DEL MAYO S.A. DE C.V. (P R)
Km. 1778 Carretera Nogales, Navojoa, Sonora,
Ph. 3-34-34; TLX: 055626.
CONTACT: Ramon Ahumada, Gen. Mgr.
Solvent cap. 600MT/day; storage cap. 55,000MT; soy meal, crude oil, crude degummed and fully refined oil. Served by truck and rail.

ACEITES Y DERIVADOS DEL PACIFICO S.A. DE C.V. (P R IP)
Km. 2125, Carretera Hermosillo-Nogales,
Hermosillo, Sonora, Ph. 42215; TLX: 058854;
CONTACT: Jose L. Aguilar, Gen. Mgr.
Solvent cap. 240T/day; continuous press cap. 250T/day; storage cap. 40,000MT; soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

FABRICA DE ACEITES LA CENTRAL S.A. (P R SF)
Industrias Gonzalez, Escobedo Sur No. 740,
Guadalajara, Jalisco, Ph. 350046;
TLX: 0681763.
CONTACT: Daniel Sada A., Mgr.
Screw press cap. 400T/day; solvent cap. 500T/day; PASTA MEX soy meal, crude, once refined and fully refined soy oil. Served by rail.

FABRICA DE JABON LA CORONA S.A. DE C.V. (P R SF IP)
Apartado Postal 890, Zona Industrial No. 2,
Ciudad Obregon, Sonora, 85000,
Ph. 34690; TLX: 552839 (FJCO BR).
Plants at: Ciudad Obregon, Sonora and Xalostoc, Edo de Mexico

CONTACT: Alfredo Garcia Serrato, Prod. Mgr.
Solvent; cap. 300T/day; storage cap. 21,000MT; SOYARINA 50 soy meal, soy flour, crude, crude degummed, and once refined oils. Served by truck, rail and ship.

LIC. FRANCISCO MARTINEZ CALDERON (P) ★
Km. 1846, Carrata Internacional, Zona Ind. 2, Apdo Postal 532, Obregon, Sonora, 85000, Ph. 91-641-33588 or 91-641-49595; TLX: 552822 (ICOB ME).
Solvent; cap. 600MT/day; storage cap. 48,000MT; soy meal, animal/livestock feed, crude and crude degummed oil. Served by rail.

GALLETERA MEXICANA S.A. (GAMESA) (P R SF IP)
Apdo Postal 871, Ciudad Obregon, Sonora, Ph. 41907 or 51667.
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
Solvent cap. 500T/day; press cap. 500T/day; storage cap. 60,000MT; soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oils, shortening. Served by truck and rail.

RAUL GARCIA Y CIA., S.A. DE C.V. (P)
Av. Adolfo Ruiz Cortines, No. 257 Pte., Monterrey, Nuevo Leon, Ph. 515700; TLX: 382648.
CONTACT: Enrique R. Garcia, Mgr.
Solvent; cap. 700T/day; soy meal and crude oil. Served by truck and rail.

HIDROGENADORA NACIONAL S.A. (P R SF)
Rio Lerma #150, Tlalnepantla, Ph. 5650133 or 5659280; TLX: 17265& (HINA ME)
CONTACT: Nicolas Xacur, Pres.
Solvent; cap. 250MT/day; soy meal, crude, crude degummed, once refined, fully refined, and hydrogenated oil; margarine, shortening, cooking/salad oil. Served by truck and rail.

INDUSTRIAL ACEITERA S.A. (P R SF)
Km. 20½, Carretera, Cuautitlan, Apartado 182, Tlalnepantla; TLX: 017-178656 (IASA ME).
CONTACT: Hector Garcia Padilla, Oper. Mgr.
Solvent; cap. 350T/day; soy meal, crude degummed, fully refined and hydrogenated oil, shortening, cooking/salad oil. Served by truck and rail.

INDUSTRIAL DE ALIMENTOS S.A. (P SF IP)
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300, D.F., Ph. 5674022 or 5679475
CONTACT: Felipe Suberbie, Gen. Mgr.
Solvent; cap. 15MT/day; storage cap. 3,000 MT; crude oil, soyfoods, industrial products.

INDUSTRIAL JABONERA LA ESPERANZA S.A. (P R SF IP)
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 40144; TLX: 032877.
CONTACT: Aureliano Alatorre M., Mgr.
Solvent; cap. 150T/day; storage cap. 740 bu.; soy flour, soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck and rail.

INDUSTRIAS CONASUPO S.A. DE C.V. (P R SF IP)
Subsidiary of Compania Nacional De Subsistencias Populares
Km. 11.5 Carretera A. San Luis R.C. Sonora, Mexicali, Baja California, Ph. 68761 AL64; TLX: 569802 (ICMX ME). Other plants: Tultitlan, Est. de Mexico; Gomez Palacio, Durango; Monterrey, Nuevo Leon; Neuvo Laredo, Tamaulipas; Ciudad Obregon, Sonora; Navojoa, Sonora.
CONTACT: Eduardo Bejarano, Tech. Supt.
Solvent; cap. 400MT/day; storage cap. 26,000MT; soy meal; crude, crude degummed, fully refined and hydrogenated oil, shortening, cooking/salad oil. Served by truck and rail.

NEGOCIACION INDUSTRIAL SANTA LUCIA S.A. (P R SF)
Av. Heroes de Nocupetaro No. 1022, Morella Michoacan, Ph. 20175.
CONTACT: Fernando Trevimo, Plt. Dir.
Solvent cap. 50 MT/day; continuous press cap. 75MT/day; storage cap. 6,600 MT; soy meal; crude, crude degummed and fully refined oil; shortening and cooking/salad oil. Served by truck and rail.

LA PALMA S.A. (P R IP)
Sidar y Rovirosa, No. 158, Mexico 9 DF, Ph. 20374.
CONTACT: P. Villarreal, Mgr.
Screw press cap. 250T/day; solvent cap. 180T/day; storage cap. 365-440 bu.; soy meal, crude and fully refined oil. Served by rail.

LA POLAR (P R IP)
Av. Manuel Gonzalez 165, Mexico 3, D.F., Ph. 5833845; TLX: 1772498 (POLA ME).
Other plants: Mexico D.F., Mexico; Mexicali, Baja, California; Matamaros, Tamaulipas; Cd. Obregon, Sonora.
CONTACT: Diego Gutierrez, Pres.
Solvent cap. 1,100T/day; continuous press cap. 770T/day; storage cap. 110,000MT; soy meal, crude, crude degummed, once refined, fully refined and hydrogenated oil. Served by truck, rail, barge and ship.

PRODUCTOS ALIMENTICIOS DELICIAS S.A. (P SF)
Apartado Postal 376, Zona Industrial Oriente, Cd. Delicias, Chih., Ph. 23093.
CONTACT: Joaquin Ponce Aguirre, Gen. Mgr.
Ext. cooker, processing cap. 8T/day; storage cap. 3,000T; full-fat soy flour and soyfoods. Served by truck and rail.

MOROCCO

LES HUILERIES DE MEKNES (R) ★
Quartier Sidi Said, Meknes, Ph. 31482 to 31486 and 30084, 30091, 30092; TLX: 41034 (HUIL MEK).

CONTACT: Eddaoudi Hassan, Mgr. Dir.
Refining cap. 120MT/day; storage cap. 3,000MT; fully refined oil. Served by truck and ship.

HUILERIES DU SOUSS (R)★
Quartier Anza, B.P. 135, Agadir,
Ph. 08-23130; TLX: 81015.
CONTACT: El Blass, Gen. Mgr.
Refining cap. 20,000MT/year. Crude, crude degummed, once refined and fully refined oil. Served by truck.

LESIEUR AFRIQUE CASABLANCA (R)
1, Rue Caporal Corbi, Casablanca,
Ph. 246636; TLX: 25674.
Oil refining, soy, olive, sunflower and rapeseed.

NETHERLANDS

CARGILL B.V. (P R SF IP)
Affiliate of Cargill Inc., Minneapolis, MN, USA
Coenhavenweg 2, Box 8074,
1005AB Amsterdam, Ph. 803 803; TLX: 14081.
CONTACT: Eef Paalvast, Merch. Mgr.
Solvent; storage cap. 40,000MT; CARGILL soy meal, crude, crude degummed, once refined and fully refined oils. Served by truck, barge, ship and rail.

CENTRAL SOYA UTRECHT B.V. (P)★
Affiliate of Central Soya Company Inc., Fort Wayne, IN, USA
Everard Meijsterlaan 3, 3533 CK Utrecht,
Ph. 938141; TLX: 47479.
CONTACT: E.G. Van Korlaar
Solvent; cap. 1,700MT/day; soy meal, hulls, crude and crude degummed oil. Served by truck and barge.

MANNA NATUURVOEDING B.V. (P SF)★
Weerenweg 28, 1161AJ Zwanenburg,
Ph. 072250, TLX: 10810
Continuous press; cap. 4,000MT/month. Animal/livestock feed, soy beverages, tofu and tempeh. Served by truck.

REMIA C.V. (R SF)★
Willem Arntszlaan 71-77, 3134 Ed Den Dolder,
Ph. 797911; TLX: 47169 (REMIA NL)
CONTACT: L. Peperzak or F. Sluimer
Refining cap. 150MT/day; storage cap 2,000MT; hydrogenated oil, margarine, shortening and cooking/salad oil.

SPEELMAN'S OLIEFABRIEKEN B.V. (P)★
Delftweg 100, 3043 NA, Rotterdam,
Ph. 373011, TLX: 21264, (SPMAN NL)
CONTACT: Mr. Huvers
Solvent; cap. 650MT/day; storage cap. 3,000MT; soy meal, crude oil. Served by truck, barge and ship.

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER (P R IP)
Sandakerveien 56, Oslo, Ph. 22-00-50;
TLX: 71181; Plant at: Fredrikstad.
CONTACT: Odd Bjornstad, Dept. Dir.
Solvent; cap. 900T/day; approx. soybean operations 250,000T/year; storage cap. 35,000MT; soy meal, crude, crude degummed, fully refined and hydrogenated oils. Served by truck and ship.

RYTTERVIK FABRIKER (P R)
Jens Hetland, Egersund, Ph. 491581;
TLX: 33094.
CONTACT: Jonas Hetland, Plant Mgr.
Solvent; cap. 400T/day; storage cap. 900,000 bu.; soy meal, crude and refined soy oil.

OMAN

AREEJ VEGETABLE OILS & DERIVATIVES LLC (R)★
P.O. Box 6063, Ruwi, Ph. 703422,
TLX: 3230 (LUJAINA)
CONTACT: Vikram Singh Tyagi, Comm. Mgr.
Fully refined and hydrogenated oil, cooking/salad oil. Served by truck and ship.

PERU

COMPANIA OLEAGINOSA DEL PERU S.A. (P R SF IP)
Casilla 2965, Lima 100, Ph. 52-5570;
TLX: 036-25418 (PE FABRIL)
Plants at: Av. Argentina, N° 5027, Callao and Sullana, Piura.
CONTACT: Augusto Echecopar, Mgr. Dir.
Screw press cap. 220T/day; solvent cap. 200T/day; storage cap. 20,000T; approx. soybean operations 15,000T/year; salad oils, shortening, margarine and raw material for mixed feeds. Served by truck.

INDUSTRIAL PERU PACIFICO S.A. (P)★
Jr. Miro Quesada #260 4° Piso, Apartado 2296,
Lima, Ph. 28-3240 or 28-7840; TLX: 25051
(COTMO PE). Other plants at: Piura and Pisco.
CONTACT: Alvaro del Solar Naranjo, Gen. Mgr.
Solvent; cap. 200MT/day; storage cap. 10,000 MT. Soy meal, hulls, crude and crude degummed oil.

OLEOFICIO LIMA S.A. (P R)★
Av. Miguel Grau 685, San Martin de Porres,
Lima, Ph. 815201; TLX: 20210 (MOLISA PE)
CONTACT: Humberto Eguiguren Diaz, Dir.
Solvent; storage cap. 5,000MT. Refining cap. 30MT/day; storage cap. 1,000MT. Soy meal, crude, crude degummed and hydrogenated oil. Served by truck.

SINDI S.A. (P R SF IP)
Av. Central 643-10° Piso, San Isidro 11239,
Lima 14, Ph. 415283; TLX: 21187 (PE SINDI);
Plant at: Amazonas S/N Piura.
CONTACT: Cristobal Rosas Zorilla, Gen. Mgr.
Screw press cap. 25T/day; solvent cap. 40T/day; storage cap. 5,700T; crude, once refined, fully refined, hydrogenated and fractionated oil, shortening, cooking/salad oil and industrial products. Served by truck.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION (P R SF)★
E. Rodriguez Ave., Pasig, Metro Manila, 673-7541, 60-2259 or 673-7523; TLX: 63828 or 43125 (CFCURC PM)
CONTACT: Henry L. Go, Sr. VP
Solvent; crush cap. 120-150MT/day; storage cap. 26,000MT. Refining cap. 40MT/day; storage cap. 300,000MT. Soy meal, animal/livestock feed, crude degummed, fully refined and cooking/salad oil; soy beverages. Served by truck and barge.

PORTUGAL

COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL) (P)★
Av. Republica 44-7°, 1000 Lisbon, Ph. 767521, 767522 or 767532; TLX: 14187 (TAGOL P);
CONTACT: Manuel Mourao, Dir.
Solvent; cap. 2,100MT/day; storage cap. 70,000MT; soy meal, crude degummed oil. Served by truck, barge and ship.

SOCIEDADE IBERICA DE OLEAGINOSAS SARL (IBEROL) (P R SF)★
P.O. Box 5109, 1702 Lisbon Codex, Ph. 250-1921 or 250-1275; TLX: 42214 or 12422 (IBEROL)
Soy meal; crude, crude degummed, once refined, fully refined and cooking/salad oil; lecithin. Served by truck and ship.

SINGAPORE

SIME DARBY EDIBLE PRODUCTS LTD. (R SF IP)★
255 Jalan Boon Lay, Jurong Town, Singapore 2261, Ph. 264-3733 or 265-1833; TLX: 24070 (SIMTRAD RS)
CONTACT: C.Y. Yap, Billy Tan or N.H. Tham
Refining cap. 100MT/day; storage cap. 100MT. Fully refined and hydrogenated oil, shortening and cooking/salad oil; industrial soy oil. Served by truck, barge and ship.

SPAIN

ACEITERIAS REUNIDAS DE LEVANTE S.A. (ARLESA) (P R SF IP)
Castell de Pop, 33 Nazaret, Valencia 11, Ph. 23-12-78; Main office: Paseo de la Castellana, 143, Madrid 16, Ph. 2796300.
CONTACT: Jan Van Kesteren
Solvent; cap. 765T/day; storage cap. 924,000 bu.; soy meal, crude, crude degummed, once refined and fully refined soy oil; lecithin and cooking/salad oil. Served by truck, rail and ship.

ACEITES Y PROTEINAS S.A. (ACEPROSA) (P R SF IP)★
Repelega, Portugalete, Vizcaya, Ph. 4965111; TLX: 32753.
CONTACT: Juan Leguina, Sls. Mgr.
Continuous press cap. 400MT/day; solvent cap. 1,800MT/day; storage cap. 60,000MT. Refining cap. 250MT/day; storage cap. 5,000MT. Soy meal, crude degummed and fully refined oil, lecithin, soy flour, cooking/salad oil. Served by truck, rail and ship.

ACEITES VEGETALES S.A. (ACEVESA) (P R)★
Caracas 23, 28010 Madrid, Ph. 419-5512; TLX: 27269 (ACEVE E). Plant at Cartagena, Ph. 512912; TLX: 68008 (AVECA E)
CONTACT: Tomas Lopez Palafox, Comm. Mgr.
Solvent; cap. 700MT/day; storage cap. 550,000 bu. Soy meal, lecithin, crude and refined soy oil. Served by truck, rail and ship.

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS S.A. (CINDASA) (P R SF)★
Affiliate of Cargill Inc. Minneapolis, MN, USA
Avda. de los Madronos, 31, 28043 Madrid, TLX: 44374 (CINDO E); Plants at: Muelle Transversal-Tarragona; Muelle Alvarez de la Campa-Barcelona; Barrio de San Jeronimo-Seville.
CONTACT: Javier Losantos, Asst. Gen. Mgr.
Crush cap. 3,500MT/day; storage cap. 3,100,000 bu.; Soy meal, crude, crude degummed and fully refined oil, cooking/salad oil. Served by truck, rail and ship.

OLEAGINOSAS ESPANOLAS S.A. (OESA) (P SF IP)★
MAIN OFFICE: Nunez de Balboa, 108, 28006 Madrid, Ph. 411-46-13: TLX: 45302 or 46918 (OLEA E). Plant at: Barcelona

OLEAGINOSAS ESPANOLAS S.A. (OESA) (P SF IP)★
Puerto de Barcelona, Muelle de Contradique s/n, Barcelona, Ph. 318-8034 or 318-2900; TLX: 52612 or 50831 (OLEA E). Main office: Madrid.
CONTACT: Jose Ferrer Berta
Solvent; cap. 2,800MT/day; storage cap. 4,000MT; Soy meal, hulls, crude degummed oil, lecithin. Served by truck, rail and ship.

SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) (P R SF)★
Plaza de Chamberi 8-7°, 28010 Madrid, Ph. 447-3013; TLX: 27216 (SIMSA E);
CONTACT: Ignacio Aritio
Solvent and continuous press; crush cap. 2,000MT/day; storage cap. 2,000,000 bu. Refining cap. 100MT/day; storage cap. 10,500MT. Soy meal; hulls; crude degummed, once refined, fully refined and cooking/salad oil; lecithin. Served by truck, rail and ship.

ZVAITZO (P SF)★
Calle Diputacion 5° Piso, Calle Correria 39 Bajo, Vitoria-Gasteiz 01001, Ph. 288630
CONTACT: Javier Arocena Aramburu
Continuous press; cap. 15MT/day; storage cap. 145MT. Soy meal, meat analogs, soy beverages, tofu and tempeh.

SWITZERLAND

FLORIN LTD. OIL & FATWORKS (P)
Hofackerstrasse 54, CH-4132 Muttenz,
Ph. 610101; TLX: 62436; Plant at: Basel.
CONTACT: R. Florin
Screw press cap. 80T/day; storage cap. 2,000T; FLORIN soy meal. Served by rail.

OLEIFICIO SABO (P R)
P.O. Box 3327, 6901 Lugano, Ph. 234461;
TLX: 79453 (SABO CH).
CONTACT: Giancarlo Bordoni, Gen. Mgr.
Solvent; cap. 50T/day; storage cap. 4,000MT; soy meal, pellets, crude, crude degummed, once refined and fully refined oil. Served by truck and rail.

SAIS (P R SF IP)★
Affiliate of Unilever NV, Rotterdam
Forrlibuckstrasse 10, CH-8031 Zurich;
Ph. 444471, TLX: 822752 (SAIS ZH)
CONTACT: Walter H. Hefti, Chrmn.
Solvent; crush cap. 300MT/day; storage cap. 800,000 bu. Soy meal; animal/livestock feed; crude, crude degummed, fully refined, hydrogenated and fractionated oil; margarine, shortening and cooking/salad oil; industrial oil. Served by truck.

TAIWAN

ALL SINCERE INDUSTRIAL CO. LTD. (ASIC) (P R)★
11th Floor, No. 27, Sec. 1, Chang An E. Rd.,
P.O. Box 1851, Taipei, Ph. 536-3760.
CONTACT: C.H. Tsai, Gen. Mgr. or K.K. Tsai, Pres.
Solvent; crush cap. 300MT/day; storage cap. 31,000MT. Refining cap. 52.5MT/day; storage cap. 90MT. Soy meal, crude degummed and fully refined oil. Served by truck.

CHIA FHA INDUSTRY CO. LTD. (P R SF IP)★
Taichung Port Soybean Oil Refining Plant
98, Zih-Chang Rd., Kwan Lien Industrial District,
Taichung Hsien, Ph. 363611. Main Office: Sha-Tyan Rd., Taichung Hsien.
CONTACT: H. Y. Wang or Wu-Hsiung Lin
Solvent; crush cap. 800MT/day; storage cap. 20,000MT. Refining cap. 110MT/day; storage cap. 1,340MT. Soy meal, animal/livestock feed, crude, crude degummed, fully refined oil, lecithin. Served by truck.

CHIA FHA INDUSTRY CO., LTD. (P R SF IP)★
MAIN OFFICE: 45, Sha-Tyan Rd., Sha Lu Chen,
Taichung Hsien, Ph. 362111;
TLX: 22237 (CHIAFHA)
Plant at: Zih-Chang Rd., Taichung Hsien.

EAGLE FOOD INDUSTRY CORPORATION (P R SF)★
12th Floor, 310 Sec. 4,
Chung Hsiao E. Rd., Taipei 105,
Ph. 781-1161; TLX: 11547 (REWARD)
CONTACT: Chen-Feng Wang, Pres.
Solvent; crush cap. 320MT/day; storage cap. 20,000MT. Refining cap. 90MT/day; storage cap. 2,500MT. Soy meal, cooking/salad oil. Served by truck and rail.

FONG-MAO INDUSTRIES CO. LTD. (P)★
No. 257, Section 1, Chien-Kou Rd.,
Ming-Siung Hsian, Chia-Yi.
CONTACT: K. Y. Lin, Pres.
Soy meal, mixed feeds.

HSIAO-KANG BY-PRODUCTS FACTORY, TSC (P R SF)★
133, Hsiao-kang Rd., Kao-hsiung 812,
Ph. 821-4160;
CONTACT: T.W. Tang, Plant Mgr. or C.W. Chen, Deputy Mgr.
Solvent; crush cap. 340MT/day; storage cap. 24,300 MT. Refining cap. 65MT/day; storage cap. 300MT. Soy meal, animal/livestock feed, crude, fully refined, hydrogenated and cooking/salad oil. Served by truck.

HUI SHUNG SOLVENT OIL CO. LTD. (P R SF IP)★
5F, 21 Sec.1, Chang An E. Rd., Taipei,
Ph. 581-1515. Other plants at: Miao-Li and Kaohsiung.
CONTACT: W.K. Wang, Chairman
Solvent; crush cap. 500MT/day; storage cap. 20,000 MT. Refining cap. 100MT/day; storage cap. 3,000 MT. Soy meal, animal/livestock feed, fully refined and cooking/salad oil, lecithin. Served by truck and rail.

PRESIDENT ENTERPRISES CORP. (P R SF IP)★
301, Chung-Cheng Rd., Yan Hang, Yungkang,
Taipei 711, Ph. 532121; TLX: 71348 (PRESIT)
CONTACT: C.S. Lin, Exec. VP
Solvent; crush cap. 750MT/day; storage cap. 3,300MT. Refining cap. 120MT/day; storage cap. 3,000MT. Soy meal, animal/livestock feed, crude, crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil; lecithin; soy flour; soy beverages and soy sauce. Served by truck and ship.

TAI HWA OIL INDUSTRIAL CO. LTD. (P R SF)★
235 Minchu 1st Rd., San-Ming District,
Kaohsiung 800, Ph. 382-3366;
Other Office: Taipei
CONTACT: Y.P. Chen, Plant Mgr.
Solvent; crush cap. 200MT/day; storage cap. 20,000MT. Refining cap. 60MT/day; storage cap. 1,760MT. Soy meal; crude, fully refined and cooking/salad oil. Served by truck.

TAY SHAN ENTERPRISE CO. LTD. (P R SF IP)★
14th Floor, 178 Sec. 2, Nanking E. Rd., Taipei,
Ph. 521-4152. TLX: 22863 (SUNRISE)
CONTACT: J.T. Chan
Solvent; crush cap. 600MT/day; storage cap. 12,000MT. Refining cap. 100MT/day; storage cap. 2,100MT. Soy meal; white flakes for edible purposes; fully refined, hydrogenated and cooking/salad oil; soy flour. Served by truck, rail and ship.

TONG SHUNG INDUSTRIES CO. LTD. (P)★
No. 2, Chung-Shan Rd., Ching-shui, Taichung.
CONTACT: Y. L. Wang, Chairman
Soy meal, mixed feeds.

TTET UNION CORPORATION (P)★
32, Gung Yen West Rd., Kaun-Tien Industrial District, Kuan-Tien Hsiang, Tainan Hsien 720, Ph. 698-4500
CONTACT: K.J. Suen, Sis. Mgr.
Solvent; cap. 2,000MT / day; storage 45,000 MT; soy meal, crude degummed oil. Served by truck and rail.

THAILAND

INDUSTRIAL ENTERPRISE CO. LTD. (P R)★
179 Surawongse Rd., Bangkok 10500
Ph. 235-4855.
CONTACT: Hardoon Adulayavichit, Mgr. Dir.
Solvent; cap. 600MT/day; storage cap. 60,000MT; soy meal, crude, crude degummed and fully refined oils. Served by truck, barge and ship.

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD. (P R SF IP)★
829-835 Opp. Taladplu Railway Station, Dhonburi, Bangkok, 10600, Ph.465-0971, 466-3082 or 466-4856.
CONTACT: Vichit Vitayathanagorn, Mgr. Dir.
Solvent; crush cap. 200MT/day; storage cap. 15,000MT. Refining cap. 33MT/day; storage cap. 1,800MT. Soy meal, crude, crude degummed, once refined, fully refined and cooking/salad oil. Served by truck.

PATUM VEGETABLE OIL CO., LTD. (R)★
733/23 Charansanitwong Rd., Bangkok 10700, Ph. 424-1165, 424-2168, 424-5963, 424-0603, 424-8950 or 424-9802; TLX: 82431 (PATUM TH).
Other Plant at: Lardlumkaew, Patumthanee.
CONTACT: Prakit Triyanond, Gen. Mgr.
Refining cap. 100MT/day; storage cap. 3,000MT. Fully refined oil.

THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. (P R SF IP)★
Affiliate of Poon Phol Co., Ltd, Bangkok
99 Soi Thanakorn (Phra Pradaeng), Tambol Bang Prakod, Samutprakarn, Ph. 425-8930; TLX: 82940 (POONPOL TH)
CONTACT: Vibul Sarakitpricha, Mgr. Dir.
Solvent; crush cap. 600MT / day; storage cap. 20,000MT. Refining cap. 100MT/day; storage cap. 5,000MT. Soy meal, crude degummed, fully refined and cooking/ salad oil; industrial oil. Served by truck, barge and ship.

TURKEY

PAKSOY TICARET ve SANAYI A.S. (P R SF)★
Karatas yolu 150, P.O. Box 144, Adana, Ph. 14666, 14667 or 14668;
TLX: 62150 (SADE TR)
CONTACT: Ibrahim Paksoy or Ugur Paksoy
Solvent; crush cap. 300MT / day; storage cap. 10,000MT. Refining cap. 100MT / day; storage cap. 8,000MT. Soy meal; crude and fully refined oil; margarine, shortening and cooking / salad oil; soy flour. Served by truck, rail and ship.

VENEZUELA

EXTRACTORA NACIONAL DE OLEAGINOSAS S.A. (ENDOSA) (P R)★
Protinal CA, P.O. Box 83, Valencia, Ph. 34 20 11; TLX: 45129. Plant at: El Morro, Valencia.
CONTACT: Omar Hernandez
Solvent; cap. 180MT/day; storage cap. 420,000 bu.; soy meal, mixed feeds, crude, once refined and fully refined oils. Served by truck.

FABRICA DE ACEITES EL AGUILA C.A. (P R SF IP)★
Calle Bermudez Coussin 97-64, P.O. Box 255, Valencia, Carabobo 2001A, Ph. 88865 or 88869; TLX: 45339 (ACELA VC)
CONTACT: Miguel Garcia, Gen. Mgr.
Continuous press; crush cap. 100MT/day; storage cap. 10,000MT. Refining cap. 70MT/ day; storage cap. 1,000MT. Soy meal; crude, fully refined, hydrogenated and cooking/salad oil; industrial soy oil.

C.A. FACEGRA (P R SF)★
Calle 107, c/c Farriar, Apdo. No. 1, Valencia, Carabobo, Ph. 86495; TLX: 41171.
CONTACT: Louis Hernandez, Gen. Plant Mgr.
Solvent; cap. 170T/day; storage cap. 20,000MT; crude, crude degummed, once refined, fully refined and hydrogenated oils; cooking/salad oil. Served by truck.

C.A. GRASAS DE VALENCIA (R SF IP)
Av. Henry Ford, Zona Industrial Sur., Valencia, Ph. 332022; TLX: 45312.
CONTACT: Josu Urresti
Solvent; cap. 250T/day; crude degummed, once refined, fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil, soaps. Served by truck.

YUGOSLAVIA

KMETIJSKO ZIVILSKI KOMBINAT GORENJSKE (R SF)★
Tozd Tavarna olja (OLJARICA)
Britof 27, 64000 Kranj, Ph. 064-22771; TLX: 34698
CONTACT: Novak Milan
Refining cap. 80MT/day; storage cap. 7,000MT. Fully refined and cooking/salad oil.

SOJAPROTEIN (P SF)★
Industriski Zona B.B., Becej, Ph. 811691, 811692, 811693 or 811694; TLX: 14283.
CONTACT: Milan Medic, Deputy Dir.
Solvent; cap. 800MT/day; storage cap. 160,000MT. Soy meal, crude and crude degummed oil, white flakes for edible purposes, lecithin, flour, grits, TSP. Served by truck, barge and rail.

TVORNICA ZA PRERADU SOJE (P R IP)★
Gazenica PP 215, Zadar 57000, Ph. 23-400 or 24-993; TLX: 27149 (TPS)
CONTACT: Commercial Sector (33-604)
Solvent; crush cap. 1,100MT/day; storage cap. 50,000MT. Refining cap. 200MT/day; storage cap. 9,000MT. Soy meal, hulls, crude degummed oil, industrial lecithin. Served by truck, rail and ship.

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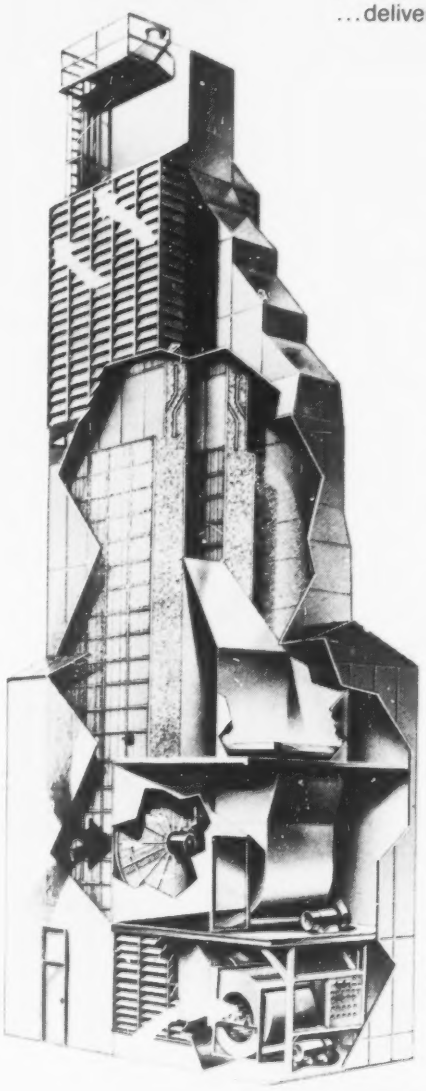

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UNITED STATES

AMERICAN LECITHIN CO. ★
P.O. Box 4056, Atlanta, GA 30302.
Ph. 404-522-7060, TLX: 261318 (AMAD).
CONTACT: Joseph Eichberg, Pres.
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1300 Fort Wayne Bank Bldg., P.O. Box 1400, Fort Wayne IN 46801-1400. Ph. 219-425-5100 or 800-348-0960, TLX: 027610 (CEN SOYA FWA IN).
CONTACT: Customer Service, Chemurgy
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Somerset, NJ 08873, Ph. 201-247-8000
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720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507-625-7911,
TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Dave Schostag & Joel Bartleson
Lecithin.

LUCAS MEYER INC.
765 E. Pythian Ave., Decatur, IL 62526,
Ph. 217-875-3660, TLX: 404387.
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CONTACT: Richard P. Schuering
Lecithin.

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650 S. Shackleford Rd., Little Rock, AR 72211,
Ph. 501-225-0936, Main office: Stuttgart, AR.
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CONTACT: Lynn Adolphson, Gen. Mgr.
YELKIN lecithin products.

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2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AE STALEY); TWX: 910-243-0459 (AE STALEY).
CONTACT: Lecithin Dept.
STA-SOL lecithin for food uses.

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INDO S.A.
Reconquista 458, Piso 15°,
Buenos Aires 1358, Ph. 394-1900 or 394-1005;
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CONTACT: Fernando Speroni, Asst. Trader
Lecithin.

PIPOIL S.A.
Santo Pipo, Misiones 3326, Ph. 17;
TLX: 76156 (KATE AR)
CONTACT: Alberto Vazquez, Engr.
Lecithin.

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Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR)
CONTACT: Stefan Wenzel, Dir.
FAROL/BRAZIL lecithin.

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Rua dos Patriotas, 1382 Ipiranga,
Sao Paulo 04207, Ph. 274-8211;
TLX: 21226, 33172 or 36622 (IJBD BR)
CONTACT: Archimedes Jorge Cortellazzi
Lecithin.

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333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2;
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL)
CONTACT: C.M. Davis, Mgr. Commodity Oper.
VICTOLEC lecithin.

COLOMBIA

ACEITALES S.A. ★
Calle 12, No. 37-19, Bogota 6, Ph. 2378555;
TLX: 43121 (ACLES CO)
CONTACT: Hilda de Restrepo
Lecithin.

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Carretera del Sur 57-21, Aptdo. 12615, Bogota,
Ph. 383127; TLX: 41368.
CONTACT: Hernando A. Vergara V.
Lecithin.

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aereo 85,
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CONTACT: Guillermo Restrepo, Comm. Mgr.
Lecithin.

LLOREDA GRASAS S.A. ★
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CONTACT: Hugo Parra, Comm. Mgr.
Lecithin.

DENMARK

DANSK SOJAKAGEFABRIK ApS ★
24, Islands Brygge, DK-2300 Copenhagen S,
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CONTACT: J. U. Haxthausen
Lecithin.

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THE BRITISH ARKADY CO. LTD. ★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
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CONTACT: W. Pringle, Sales Dir.
Lecithin.

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CONTACT: D. J. Hampson
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CONTACT: A.V. Wissel, VP
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A. SAUMWEBER GmbH ★
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CONTACT: W. Saumweber
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CONTACT: Erminio Cipolla, Plant Mgr.
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LUCAS MEYER S.R.L. ★
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Via Venezia 34, Vigonza 35010, Ph. 629011; TLX: 430145 (GIPA I).
CONTACT: Axel Skulte, Pres.
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S.I.O. S.p.A.
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CONTACT: N. Mizoguchi, Plant Mgr.
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CONTACT: F. Nonaka, Mgr. Dir.
NIKKO lecithin.

THE NISSHIN OIL MILLS, LTD.
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230-ban Shinminato, Chiba-Shi 260, Tokyo,
Ph. 411251
CONTACT: N. Tachikawa, Supt. or Oil Dept.,
Ajinomoto Co. Inc.
AJINOMOTO lecithin.

KOREA

CHEIL SUGAR & CO. LTD. ★
17th Flr., Dong Bang Main Bldg., 150, 2 Ka,
Tae Pyung Ro, Chung Ku, Seoul, Ph. 756-3436,
TLX: 23762 (CHESUCO K)
CONTACT: J. S. Kim, Sr., Managing Dir.
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Ph. 23-12-78, Main office: Paseo de la Castellana
143, Madrid 16, Ph. 2796300.
CONTACT: Jan Van Kesteren
Lecithin.

ACEITES Y PROTEINAS S.A. (ACEPROSA) ★
Repelega, Portugalete, Vizcaya, Ph. 4965111;
TLX: 32753.
CONTACT: Juan Leguina, Sls. Mgr.
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CONTACT: Ms. Alicia Delfin
Lecithin.

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Hsiung Lin
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CONTACT: W. K. Wang, Chairman
BEST lecithin.

PRESIDENT ENTERPRISES CORP. ★
301, Chung-Cheng Rd., Yan Harng,
Yungkang, Taipei 711, Ph. 53212;
TLX: 71348 (PRESIT)
CONTACT: C. S. Lin, Exec. VP
Lecithin.

YUGOSLAVIA

SOJAPROTEIN ★
Industriska Zona B.B., Becej, Ph. 811691,
811692, 811693 or 811694; TLX: 14283.
CONTACT: Milan Medic, Deputy Dir.
Lecithin.

MEAT ANALOGS

UNITED STATES

BERNARD FOOD INDUSTRIES INC.
1125 Hartrey Ave., P.O. Box 1497,
Evanston, IL 60204, Ph. 312-273-4497;
Other location: 222 S. 24th St.,
San Jose, CA 95103.
CONTACT: Eleanor Feitler, Dir., R & D
Institutional food products. Texturized soy proteins including TEX PRO 1 (hamburger), TEX PRO 2 (meat loaf), TEX PRO 3 (sloppy joe), TEX PRO 4 (chili mix), TEX PRO 5 (taco), TEX PRO 6 (veal and fish), TEX PRO 7 (spaghetti and lasagna) and TEX PRO 8 (pizza topping).

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440,
Ph. 612-475-6318.
Texturized soy proteins.

GARRISON PRODUCTS INC.
1471 Paddock Dr., Northbrook, IL 60062,
Ph. 312-998-8188.
CONTACT: Russell Garrison, Pres.
Meat and mushroom analogs.

GENERAL SPICE INC. ★
238 St. Nicholas Avenue,
So. Plainfield, NJ 07080,
Ph. 201-753-9100; TWX: 710-997-9547 (SOPD),
Other locations: Detroit, MI; Malden, MA.
CONTACT: Karl H. Brand, Pres.
SOTEX texturized vegetable protein and BAKOTEX imitation bacon bits.

GRIFFITH LABORATORIES ★
12200 S. Central Ave., Alsip, IL 60658,
Ph. 312-371-0900.
CONTACT: Wayne Pruiett, Mgr.,
Protein Products
GSVP textured soy protein.

LOMA LINDA FOODS
11503 Pierce St., Riverside, CA 92515,
Ph. 714-687-7800.
CONTACT: Oliver Miller, VP R&D
Soy sausages (three varieties), burger, canned and packaged sandwich spread and "meat" balls. Meatless Chicken, Swiss Steak, Sizzle Burger, Griddle Steaks and Ocean Fillets.

MENU MAGIC FOODS ★
Division of North American Laboratory, Inc.
1717 W. 10th St., Indianapolis, IN 46222,
Ph. 317-635-9500.
CONTACT: C. R. Lewis, Reg. Sales Mgr.
MENU MAGIC meat analogs.

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63164,
Ph. 314-982-1000 or 800-325-7136; TLX: 447620
(RALSTON STL) or 447240 (RAL PRO STL).
PURINA PROTEIN 220 & 500E and SUPRO 620 ground meat binders. SUPRO 50 textured soy proteins.

WORTHINGTON FOODS, INC. ★
900 Proprietors Rd., Worthington, OH 43085,
Ph. 614-885-9511.
CONTACT: Frank Poston
WORTHINGTON, NATURAL TOUCH and MORNINGSTAR FARMS meat analogs.

BELGIUM

DE HOBBIT ★
Waterstraat 4, 9980 St. Laureins, Ph. 799622.
CONTACT: Eric Dewilde, Gen. Mgr.
DE HOBBIT meat analogs based on tempeh fermentation.

BRAZIL

INDUSTRIA GAUCHA
DE FARELOS E OLEOS S.A. (FAROL) ★
Avenida Borges de Medeiros 659-12th Flr.,
Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR).
CONTACT: Stefan Wenzel, Director
Meat analogs.

COLOMBIA

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aereo 85,
Buga, Valle, Ph. 72021; TLX: 5866 (GRASA CO).
CONTACT: Guillermo Restrepo, Comm. Mgr.
CARNAVIT meat analogs.

DENMARK

AARHUS OLIEFABRIK A/S ★
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 12-60-00;
TLX: 64341, 64342 or 64348 (PALMF DK).

There's a Bunge elevator near you to give you top dollar for your soybeans

Bunge is one of the nation's leading exporters of soybeans, soybean oil and soybean meal. Because we do such a large volume of business, we're in the market for soybeans 365 days a year. And we pay the best possible price for your beans—by the truckload or by the carload!

We also pride ourselves on our service. Each of our elevators is run by professionals who know market conditions . . . make sure that you're unloaded swiftly . . . and see that you're paid promptly.

Where to Sell

Bunge Corporation has elevators strategically located throughout soybean country in Arkansas, Mississippi, Louisiana, Kentucky and Tennessee with district headquarters in Greenville, Mississippi, and Osceola and Pine Bluff, Arkansas.

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Remember . . . if you want the best in price and service, see Bunge before, during or after the harvest season.

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One of America's leading exporters of soybeans

One Chase Manhattan Plaza, New York, N.Y. 10005

CONTACT: Ole Kaae Hansen, Sls. Mgr.
DANPROTEX meat analogs, binders, and textured soy protein.

ECUADOR

PRIMEROS HIDROGENADOS DE ACEITES Y GRASAS ECUATORIANAS S.A. (PHIDAYGESA)
Km. 16½ Via a Daule, Guayaquil, Ph. 351555; TLX: 043506.
CONTACT: Emilio Baquerizo V., Pres.
Meat analogs.

ENGLAND

THE BRITISH ARKADY CO. LTD. ★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
Old Trafford, Manchester M16 ONJ,
Ph. 872-7161; TLX: 668488 (ARKADY G).
CONTACT: W. Pringle, Sales Dir.
Meat analogs.

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH ★
Div. Interfood Luxemburg SAH
Louisenstr. 115, 6380 Bad Homburg, 1,
Ph. 22046; TLX: 0415849.
CONTACT: Hans D. Kneer, Mgr. Dir.
Texturized soy protein, soy fibers.

WESTDEUTSCHE NAHRUNGSMITTEL-WERKE GmbH ★
Muschenerstrasse 8, Postfach 1150,
4518 Bad Laer 1, Ph. 9078; TLX: 94311.
EDEN SOJA-FERTIGGERICHTE meat analogs.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104,
Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
NATURATH and TONIKU protein products.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo,
Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
SOYMEE soy protein.

KOREA

DONG BANG CORPORATION
No. 2 Yangpyong-dong 4-Ka, Yungdungpo-ku,
Seoul, Ph. 633-3921; TLX: 27334 (DBCORP).
CONTACT: Myoungsoo Shin, Pres.
HAE PYO and DONG BANG textured soy protein.

MEXICO

ACEITE CASA S.A.
Ave. Ceylan, No. 793, Col. Industrial Vellejo;
TLX: 1771716 (CASAME).
CONTACT: Enrico Cusi, owner

ALIMENTOS COLPAC
Km. 13, Carretera Huatabampo, Apartado No.
502, Navojoa Sonora, CP85800, Ph. 24130.
CONTACT: Filiberto Verduzco Avila, Gen. Mgr.
SOYA PAC AND TORTALETA meat analogs; textured soy protein.

INDUSTRIAL DE ALIMENTOS S.A.
Poniente 146 No. 789, Col. Industrial Vallejo,
Deleg. Azcapotzalco, 02300 D.F.,
Ph. 5674022 or 5679475.
CONTACT: Felipe Suberbie, Mgr.
PROTOLEG textured soy protein.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA
Coenhavenweg 2, Box 8074, 1005 AB
Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT: Ruud Sevink, Mgr. Protein
Meat analogs, binders, TEXTRATEIN.

FA. L.I. FRANK: FRANK SOYA ★
Oude Rijksstraatweg 36, P.O. Box 46,
Twello 7390AA, Ph. 2141 or 2131;
TLX: 49350 (FRANK NL).
CONTACT: C. V. Miedendorp de Bie
VICO meat analogs.

SINGAPORE

YEO HIAP SENG LTD. ★
950 Dunearn Rd., Singapore 2158,
Ph. 44662266; TLX: 22143 (YHSL RS).
Other locations: Petaling Jaya and Shah Alam, Selangor; Jawa Barat, Indonesia; Johore Bahru.
CONTACT: Joseph Yeo
L-S-N, YEO's and PRINTZ meat analogs.

SOUTH AFRICA

BROOKE BOND OXO PTY. LTD.
159 Watt Rd., Pretoria 0002, Ph. 797050;
TLX: 3-0647.
CONTACT: F.W. Lehmann, PD & QA Controller
Meat analogs, binders (including texturized soy protein.

TIGER PROTEIN INDUSTRIES PTY. LTD. ★
P.O. Box 575, Fedler Street Extension,
Randfontein 1760, Transvaal, Ph. 693-4231;
TLX: 420568.
CONTACT: David Bailie (678-4506)
HYPRO meat analogs.

SPAIN

ZVAITZO ★
Calle Diputacion 5° Piso, Calle Correria 39, Bajo,
Vitoria-Gasteiz 01001, Ph. 288630
CONTACT: Javier Arocena Aramburu
SOYBURGER and OKARA'S CROQUETTE.

ROASTED SOYNUTS

UNITED STATES

INARI, LTD. ★
2331 Forest Rd., Lansing, MI 48910,
Ph. 517-882-3323; TLX: 229440 (MICH AGRI
LSG). Other office: Mason, MI.
CONTACT: Leonard Stuttman, Pres.
Salted, unsalted, flavored and candied SUPER-SOY soynuts.

ENGLAND

BOCM SILCOCK LTD. ★
BOCM House, Basing View, Basingstoke,
Hampshire RG21 2EQ, Ph. 29211;
TLX: 858429 (BSHO G).
CONTACT: J.A. Hoole
Roasted soybeans.

ITONA PRODUCTS LTD. ★
Itona Works, Leyland Mill Lane, Wigan,
Lancashire WN1 2SB, Ph. 34761.
CONTACT: D. J. Hampson
GRANNY ANN NOOTS roasted soynuts.

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH ★
Div. Interfood Luxemburg SAH
Louisenstr. 115, 6380 Bad Homburg, 1,
Ph. 22046; TLX: 0415849.
CONTACT: Hans D. Kneer, Mgr. Dir.
PRO-NUTS roasted soybeans.

STERN-CHEMIE VOLKMAR WYWIOL ★
An der Alster 81, D-2000 Hamburg 1,
Ph. 246451, TLX: 2–162052 (STAR D).
CONTACT: Jurgen Wormer, VP
STERNNUTS roasted soynuts.

NETHERLANDS

FA. L.I. FRANK: FRANK SOYA ★
Oude Rijksstraatweg 36, P.O. Box 46,
Twello 7390AA, Ph. 2141 or 2131;
TLX: 49350 (FRANK NL).
CONTACT: C. V. Miedendorp de Bie
FRASOY roasted soynuts.

SOLNUTS B.V. ★
Swaardvenstraat 41, P.O. Box 5066,
5048 AV Tilburg, Ph. 684991;
TLX: 52654 (SOLNU NL).
CONTACT: H. Stolk
SOLNUTS roasted soybeans.

SOY BEVERAGES

UNITED STATES

COCA-COLA CO. ★
310 North Ave., P.O. Drawer 1734,
Atlanta, GA 30301, Ph. 404-676-2121;
TLX: 542373 (COCACOLA ATL);
CABLE: COCACOLA ATLANTA.
CONTACT: D.S. Bhatia, Dir. R&D
HI-C SOYA MILK.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378,
Ph. 612-890-5305.
CONTACT: Thomas C. Sando, Pres.
MELOBEV.

FEARN NATURAL FOODS
Div. of Richard Foods Corp.
4520 James Pl., Melrose Park, IL 60160,
Ph. 312-345-2335.
CONTACT: Mike Hyman, Natl. Sales Mgr.
FEARN's powdered soy milk.

LOMA LINDA FOODS
P.O. Box 388, Mt. Vernon, OH 43050;
Main office: 11503 Pierce St., Riverside, CA,
Ph. 714-687-7800.
CONTACT: Oliver Miller, VP R&D
Powdered and liquid soy milk in five varieties.

MIGHTY SOY, INC.
2805 E. Washington Blvd.,
Los Angeles, CA 90023, Ph. 213-266-6969.
CONTACT: Maung Myint, Pres.
MIGHTY SOY soy beverage.

MILLER SOY
Rt. 2, Box 208-B, Greenbrier, TN 37115,
Ph. 615-643-7506.
CONTACT: Harry Miller
Soy milk.

QUONG HOP & COMPANY ★
161 Beacon St., South San Francisco, CA 94080,
Ph. 415-761-2022 or 873-4444.
CONTACT: Jim Miller, Stanley Lee or Benwade Lee.
SOY FRESH soy drink.

TOKYO FOOD PROCESSING CORP.
40 Varick Ave., Brooklyn, NY 11237,
Ph. 212-456-8884.
CONTACT: Keiji Shirata, VP
WEL PAC soy beverage.

WY KY INC.
235-237 San Fernando Rd.,
Los Angeles, CA 90031, Ph. 213-222-0779.
CONTACT: William Lee, Pres.
WY KY soy beverage.

BELGIUM

ALPRO N.V. ★
Zuidkaai 33, 8700 Izegem, Ph. 309601;
TLX: 81218 (ALPRO B)
CONTACT: Ph. Vandemoortele, Gen. Mgr.
ALPRO, SUNSOY and PROVAMEL soy beverages.

CANADA

COUNTRY COTTAGE FOODS
R.R. 1, Ohaton, Alberta TOB 3PO,
Ph. 403-672-6382.
CONTACT: Mabel Pointkoski
Soy milk.

ENGLAND

THE BRITISH ARKADY CO. LTD. ★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
Old Trafford, Manchester M16 ONJ,
Ph. 872-7161; TLX: 668485 (ARKADY G)
CONTACT: W. Pringle, Sales Dir.
Soy beverages.

ITONA PRODUCTS LTD. ★
Itona Works, Leyland Mill Lane, Wigan,
Lancashire WN1 2SB, Ph. 34761.
CONTACT: D. J. Hampson
GOLDEN ARCHER soy milk.

HONG KONG

FOODPAK LTD. ★
16F Watson Centre, 16-22 Kung Yip St., Kwai Chung, N.T., Ph. 276951; TLX: 35672 (DSGHK HX)
CONTACT: Patrick K.Y. Tsang
PAK FOOK soy beverage.

THE HONG KONG SOYA BEAN PRODUCTS CO., LTD. ★
52-54 Hoi Yuen Rd., Kwun Tong, Kowloon,
Ph. 891341; TLX: 52252 (VITTA HX)
CONTACT: Winston Lo, Mgr. Dir.
VITASOY soy beverage.

WINNER FOOD PRODUCTS LTD. ★
Affiliate of Beatrice Companies, U.S.A.
Rm. 1103, Hong Kong & Shanghai Bank Bldg,
673 Nathan Rd., Kowloon, Ph. 960137;
TLX: 45576 (WFPL HX)
CONTACT: Betty Lam, Dir. & Gen. Mgr.
DOLL soy beverage.

INDIA

THE TATA OIL MILLS CO. LTD. ★
Bombay House, Homi Mody Street,
Bombay 400023, Ph. 259131;
TLX: 4880 (TOMC IN)
CONTACT: M.C. Badami, Mgr. Protein Foods
PROMIL soy beverage.

JAPAN

FUJI OIL CO. LTD. ★
6-1 Hachiman-cho, Minami-ku, Osaka 542,
Ph. 213-8158; TLX: 522-2057.
Soy beverages.

MEIJI MILK PRODUCTS CO., LTD. ★
3-6, Kyobashi, 2-chome, Tokyo 104,
Ph. 274-5198; TLX: 2222404 (MEINYU J).
CONTACT: Takao Watanabe, Dev. Plng.
SUNGROW soy beverage.

THE NISSHIN OIL MILLS, LTD.
23-1, 1 Chome, Shinkawa, Chuo-ku, Tokyo,
Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
NISSHIN soy milk.

KOREA

DR. CHUNG'S FOODS COMPANY
Insong Bldg. 18A, 194-15, 1-Ka, Hoehyun-Dong,
Choong-Ku, Seoul, Ph. 777-7421;
Other locations: Yong In-kun and Chung Ju.
CONTACT: Chung Sung Soo, VP
VEGEMIL soy milk.

DONG BANG CORPORATION ★
2, 4-Ka, Yangpyong-dong, Yungdungpo-ku,
C.P.O. Box 3031, Seoul 150, Ph. 676-9121,
TLX: 27334 (DBCORP).
CONTACT: Jang Hong Yoo, Dir.
GREEN MILK and HAEPYO soy beverages.

LOTTE CHILSUNG BEVERAGE CO., LTD. ★
Seorak Bokji Center, 5th Floor,
433 Shinsa-Dong, Kangnam-Ku, Seoul,
Ph. 593-7141; TLX: 26465 (LT CONST K)
CONTACT: Chung-Hyun Kim, Plng. & Dev.
WON, CHARM and YOUNG soy milk.

MALAYSIA

ACE CANNING CORP. SDN BHD ★
Jalan 205, P.O. Box 8, Petaling Jaya, Selangor,
Ph. 572755; TLX: 37671 (LAMVEG MA).
CONTACT: K. H. Lim, Exec. Dir.
DRINHO soy beverage.

MEXICO

ALIMENTOS COLPAC
Km. 13 Carratera Huatabampo, Apartado No.
502, Navojoa Sonora, CP85800, Ph. 24130.
CONTACT: Filiberto Verduzco Avila, Gen. Mgr.
SOYALAC soy beverage.

INDUSTRIAL DE ALIMENTOS S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 Mexico D.F., Ph. 5674022 or 5679475.
CONTACT: Felipe Suberbie, Mgr.
SOYATOLE and SOYAMALT soy beverages.

PRODUCTOS ALIMENTICIOS DELICIAS S.A.
Apartado Postal 376, Zona Industrial Oriente, Cd. Delicias, Chih., Ph. 23093.
CONTACT: Joaquin Ponce Aguirre, Gen. Mgr.
SOYAVEN infant soy formula.

NETHERLANDS

MANNA NATUURVOEDING B.V. ★
Weerenweg 28, 1161AJ Zwanenburg, Ph. 072250; TLX: 10810
MANNA soy beverages.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION ★
E. Rodriguez Ave., Pasig, Metro Manila, Ph. 673-7541, 60-2259 or 673-7523; TLX: 63828 or 43125 (CFCURC PM).
CONTACT: Henry L. Go, Sr. VP
Soy beverages.

SINGAPORE

FRASER & NEAVE (Singapore) PTE. LTD. ★
475 River Valley Rd., Singapore 1024, Ph. 630222; TLX: 21687 (REDLION)
CONTACT: Khoo Hock Seng, Prod. Dev. Mgr.
NUTRISOY soy beverage.

YEO HIAP SENG LTD. ★
950 Dunearn Rd., Singapore 2158, Ph. 44662266; TLX: 22143 (YHSL RS). Other locations: Petaling Jaya and Shah Alam, Selangor; Jawa Barat, Indonesia; Johore Bahru.
CONTACT: Joseph Yeo
YEO's soy beverage.

SPAIN

ZVAITZO ★
Calle Diputacion 5° Piso, Calle Correria 39 Bajo, Vitoria-Gasteiz 01001, Ph. 288630.
CONTACT: Javier Arocena Aramburu
Soya milk.

SWITZERLAND

GALACTINA LTD. ★
Birkenweg 1-6, Belp CH-3123, Ph. 81111; TLX: 911658 (GABI CH).
CONTACT: P. Speck
NAGA SONDA, VITA DRINK and BIODELIS soy beverages.

SOJALADE
Dorfplatz, Otterbach 8913, Ph. 769-0349.
CONTACT: Gauthier W. Loeffler
SOJALADA soy milk.

TAIWAN

PRESIDENT ENTERPRISES CORP. ★
301, Chung-cheng Rd., Yan Harng, Yungkang, Taipei 711, Ph. 532121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Exec. VP
Soy beverage.

THAILAND

GREEN SPOT (Thailand) LTD. ★
79 Pattanakarn 3 Road, Bangkok 10240, Ph. 377-5088-91, 377-8584-5, 377-8574.
CONTACT: C.C. Cheung, Exec. Dir.
VITAMILK soy beverage.

SOY FLOUR, CONCENTRATES & ISOLATES
(and textured products made from these items)

UNITED STATES

AG PROCESSING INC ★
P.O. Box 427, St. Joseph, MO 64502, Ph. 816-233-6161; TLX: 750448; TWX: 910-997-0391. Main office: Omaha, NE
CONTACT: Joe Meyer (Omaha) or Doug Forsberg (St. Joseph)
Soy flour.

ARCHER DANIELS MIDLAND CO. ★
4666 Faries Pkwy., Decatur, IL 62525, Ph. 217-424-5200; TLX: 250121 (ADM CO DTR); TWX: 910-243 0698 (ADM DECATUR).
CONTACT: James Stowell
Soy flour, concentrates, isolates.

BROWN RICE FLOUR FOODS ★
P.O. Box 2977, Los Angeles, CA 90020, Ph. 213-387-3095; TLX: 673155 (TOPOLY USA LSA).
CONTACT: Moto Inagaki
Roasted soybean flour.

CARGILL INC.
P.O. Box 2817, Cedar Rapids, IA 52406, Ph. 319-399-4100; Main office: Minneapolis, MN
Soy flour, flakes and grits.

CENTRAL SOYA COMPANY, INC. ★
1300 Fort Wayne Bank Bldg., P.O. Box 1400, Fort Wayne IN 46801-1400, Ph. 219-425-5100 or 800-348-0960; TLX: 027610 (CEN SOYA FWA A).
CONTACT: Customer Service, Chemurgy
RESPONSE, CENTEX, PROMOSOY, SOYAFLUFF soy flour, concentrates, isolates.

CUSTOM FOOD PRODUCTS, INC. ★
730 N. Albany Ave., Chicago, IL 60612,
Ph. 312-722-7500.
CONTACT: James W. Jones
Meat binders and seasonings containing soy flour.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378,
Ph. 612-890-5305.
CONTACT: Thomas C. Sando, Pres.
MELOPRO soy flour, flakes and grits, soy protein blend.

FEARN NATURAL FOODS
Div. Richard Foods Corp.
4520 James Pl., Melrose Park, IL 60160,
Ph. 319-345-2335.
CONTACT: Mike Hyman, Natl. Sales Mgr.
Pure soy powder and soy grits. FEARN soy protein 91%.

FIRST SPICE MIXING COMPANY ★
33-23 Greenpoint Ave., Long Island City, NY 11101, Ph. 718-361-2556. Other offices: San Francisco, CA; Toronto, Ontario, Canada.
CONTACT: Peter Epstein
TEXITE extender and binder.

GLOBAL NUTRAMEAL, INC. ★
R.R. Box 6122, Spirit Lake, IA 51360,
Ph. 712-337-3376.
CONTACT: Kirk Stauss, Pres.
Soy flour.

GRAIN PROCESSING CORP. ★
1600 Oregon St., Muscatine, IA 52761,
Ph. 319-264-4278; TLX: 468497 (GPCORP MUSC).
CONTACT: Ralph Wilkinson
PRO-FAM isolated soy protein.

GRIFFITH LABORATORIES ★
12200 S. Central Ave., Alsip, IL 60658,
Ph. 312-371-0900.
CONTACT: Wayne Pruiett, Mgr., Protein Products
GL-301 and PROMAX 70 soy protein concentrates.

HONEYMEAD PRODUCTS CO. ★
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507-625-7911,
TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Ed Senska
Soy flour; bulk and bagged.

LAUHOFF GRAIN COMPANY ★
Division of Bunge Corp.
P.O. Box 571, Danville, IL 61832-0571,
Ph. 217-442-1800; TLX: 404465 (LAUHOFF GR DAN); TWX: 910-244-1453 (LAUHOFFGRAIN).
CONTACT: Larry Friend
Soy flour.

LUCAS MEYER INC.
765 E. Pythian Ave., Decatur, IL 62526,
Ph. 217-875-3660; TLX: 404387.
CONTACT: Matthew J. Andrick, Prod. Mgr.
Full fat soy flour, flakes and grits.

MENU MAGIC FOODS ★
Division of North American Laboratory, Inc.
1717 W. 10th St., Indianapolis, IN 46222,
Ph. 317-635-9500.
CONTACT: C. R. Lewis, Reg. Sales Mgr.
MENU MAGIC soy flour.

RALSTON PURINA CO.
Checkerboard Square, St. Louis, MO 63164,
Ph. 314-982-1000; TLX: 447620 (RALSTON STL) or 447240 (RAL PRO STL).
CONTACT: J.V. Heinz, Dir. Sales
PURINA PROTEIN: 350, 610, 620, 630, 640T FORTIBLEND, 660, 710, 500E, 500 ST, 590, 510, 200, 220, HD90, 1500, 1710, 1711 for varied use in food products.

A.E. STALEY MFG. CO. ★
2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AE STALEY); TWX: 910-243-0459 (AE STALEY).
CONTACT: D.L. Camerer, Natl. Sls. Mgr., Protein Div.
PROCON, STA-PRO, MIRA PRO and textured PROCON concentrates.

AUSTRALIA

SANITARIUM HEALTH FOOD COMPANY ★
148 Fox Valley Rd., Wahroonga, Sydney 2076, N.S.W., Ph. 487-1711; TLX: 22064.
CONTACT: R. G. Windus, Natl. Sls. Mgr.
SANITARIUM textured vegetable protein.

SOY PRODUCTS OF AUSTRALIA PTY. LTD. ★
69 Power Rd., Bayswater, P.O. Box 66, 3153, Victoria, Ph. 729-1738.
SOYVITA full-fat soy flour.

BRAZIL

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) ★
Praca Osvaldo Cruz 15-16°,
Porto Alegre, RS, 90000, Ph. 21-2200;
TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
PROVESOL soy flour, concentrates, isolates.

INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) ★
Avenida Borges de Medeiros 659-12th Flr.,
Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR).
CONTACT: Stefan Wenzel
Soy flour, protein concentrates and isolates.

CANADA

VICTORY SOYA MILLS LTD. ★
Division of Central Soya Company, Inc. Ft. Wayne, IN, USA
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL).
CONTACT: C. M. Davis, Mgr. Commodity Oper.
VEELINE soy flour.

Soybean meal quality is the foundation of our good name.

At Central Soya, we made a corporate decision 50 years ago to produce quality soybean meal …and we haven't changed our minds.

You can depend on Central Soya. You can depend on our good name…and our soybean meal…ton after ton…load after load.

CENTRAL SOYA
Soybean Processing Division

Soybean Processing Plants at:

Bellevue, OH	419/483-5340
Chattanooga, TN	615/629-7341
Decatur, IN	219/724-2101
Delphos, OH	419/692-6010
Gibson City, IL	217/784-8261
Indianapolis, IN	317/632-8441
Marion, OH	614/383-1181
Toronto, Ontario, Canada	416/363-8771

Utrecht, The Netherlands

Central Soya Company, Inc.
Fort Wayne, Indiana 46802

COLOMBIA

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Aptdo. 12615, Carretera Del Sur 57-21, Bogota,
Ph. 383127; TLX: 41368.
CONTACT: Hernando A. Vergara V.
Soy flour.

LLOREDA GRASAS S.A.
Autopista Cali-Yumbo Kilometro 3,
Ph. 682111; TLX: 055711 (LLOGR CO).
CONTACT: Guillermo Baron, Mgr.
PROTARINA and LLOREDA soy flours.

DENMARK

AARHUS OLIEFABRIK A/S ★
M.P. Bruunsgade 27, P.O. Box 50,
8100 Aarhus C, Ph. 12-60-00;
TLX: 64341, 64342 or 64348 (PALMF DK).
CONTACT: Ole Kaae Hansen, Sls. Mgr.
DANPRO soy flour and protein concentrates.

ECUADOR

PRIMEROS HIDROGENADOS DE ACEITES Y GRASAS ECUATORIANAS S.A. (PHIDAYGESA)
Km. 16½ Via a Daule, Guayaquil, Ph. 351555;
TLX: 043506.
CONTACT: Emilio Baquerizo V., Pres.
Soy flour.

ENGLAND

THE BRITISH ARKADY CO. LTD. ★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
Old Trafford, Manchester M16 ONJ,
Ph. 872-7161; TLX: 668488 (ARKADY G).
CONTACT: W. Pringle, Sales Dir.
HISOY, DOSOY and ARKASOY soy flours. ARCON protein concentrate. ARDEX isolated soy protein. Textured vegetable protein.

ITONA PRODUCTS LTD. ★
Itona Works, Leyland Mill Lane, Wigan,
Lancashire WN1 2SB, Ph. 34761.
CONTACT: D. J. Hampson
ITONA T.V.P., various flavors.

SPILLERS PREMIER PRODUCTS LTD. ★
Puckeridge, Ware, Hertfordshire, SG11 1RW,
Ph. 821291; TLX: 81352.
CONTACT: P. Blacklin, Exp. Mgr.
TRUSOY, BREDSOY soy flours.

FEDERAL REPUBLIC OF GERMANY

EDELSOYA GmbH ★
Division of Lucas Meyer GmbH & Co.
Ausschlager Elbdeich 62, 2000 Hamburg 28,
Ph. 781701; TLX: 2163220 (MYR D).
CONTACT: Karl-Otto Tielker
NURUPAN, SOYAPAN and SOYAMIN soy flours, protein concentrates and isolates.

INTERFOOD DEUTSCHLAND GmbH ★
Div. Interfood Luxemburg SAH,
Louisenstr. 115, 6380 Bad Homburg, 1,
Ph. 22046; TLX: 0415849.
CONTACT: Hans D. Kneer, Mgr. Dir.
PURINA PROTEIN soy flour, protein concentrates and isolates.

OELMUHLE HAMBURG AG
P.O. Box 930-320, Kohlbrandstrasse 1,
D-2102 Hamburg 93, Ph. 751941; TLX: 163537.
CONTACT: A.V. Wissel, VP
Protein meals and flours.

STERN-CHEMIE VOLKMAR WYWIOL ★
An der Alster 81, 2000 Hamburg 1,
Ph. 246451, TLX: 2-162052 (STAR D).
CONTACT: Jurgen Worner, VP
Full fat soy flour (toasted & untoasted), defatted soy flour (toasted & untoasted), soy protein concentrate, soy bran, soy grit.

FINLAND

OLJYNPURISTAMO OY ★
P.O. Box 15, SF-00811 Helsinki,
Ph. 780155; TLX: 121518 (OILML SF).
CONTACT: P. Karri, Mktg. Dir.
Soy flour.

HAITI

SOCIETE D'EXPLOITATION D'OLEAGINEUX (SODEXOL, S.A.M.) ★
P.O. Box 13460, Delmas, Port au Prince,
Ph. 20444 or 28202; TLX: 2030438 (SODEXOL).
CONTACT: Eliezer Bashan
Soy flour and textured products made from soy flour.

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur 244713, Ph. 270 and 292.
CONTACT: Devendra Kumar Agrawal
Soy flour, protein concentrates and isolates.

PRAG ICE & OIL MILLS ★
Ramghat Road, Aligarh 202001, U.P.,
Ph. 5523, 5525, 5625 or 3368;
TLX: 564202 (PRAGMILLS ALG).
CONTACT: S. N. Agarwal
Soy flour, concentrates and isolates.

PREMIER EXTRACTIONS PVT. LTD.
45/47 A, Industrial Area, A.B. Rd., Dewas, M.P.,
Ph. 5989, 38705 or 236 854;
TLX: 0735306 (PREM IN).
CONTACT: G.L. Agrawal, Mgr. Dir.
Soy flour, protein concentrates and isolates.

PRESTIGE FOODS PVT. LTD ★
30, Jaora Compound, M.Y.H. Road,
Indore 452001, M.P., Ph. 4633, 21725 or 34014,
TLX: 735205 (PFM IN).
CONTACT: Davish Jain, Dir.
PRESTIGE soy flour, protein concentrates and isolates.

THE TATA OIL MILLS CO. LTD. ★
Bombay House, Homi Mody Street, Bombay 400023, Ph. 259131; TLX: 4880 (TOMC IN).
CONTACT: M.C. Badami, Mgr. Protein Foods
PROMIX and PROTIMITE soy isolates.

IRELAND

NATIONAL RUSKS LTD. ★
7, Dock Road, Limerick, Ph. 314498; TLX: 26877 (RUSK EI).
CONTACT: George A. Russell, Mgr. Dir.
NATPRO and NATEX soy flour, concentrates and isolates.

ISRAEL

ETZ HAZAYITH LTD.
P.O. Box 193, PetahTikva, 49101, Ph. 927171; TLX: 341859 (ETZHI IL).
CONTACT: P. Naor, Plant Mgr.
Soy flour.

ITALY

LUCAS MEYER S.R.L. ★
Division of Lucas Meyer GmbH, Hamburg
Via Venezia 34, Vigonza 35010, Ph. 629011; TLX: 430145 (GIPA I).
CONTACT: Axel Skulte, Pres.
Soy flour, concentrates and isolates.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104, Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
AJIPRON soy flour and ESSAN protein.

FUJI OIL CO. LTD. ★
6-1 Hachiman-cho, Minami-ku, Osaka 542, Ph. 213-8158; TLX: 522-2057.
Soy flour, concentrates, isolates.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511.
Soy flour.

NIKKO OIL MILLS CO. LTD.
Kowa Hitotsubashi Bldg., 3-5-1 Kanda, Nishiki-Cho, Chiyoda-ku, Tokyo, Ph. 233-3951; TLX: 2224940 (NIKOIL).
CONTACT: F. Nonaka, Mgr. Dir.
NIKKO-MAME defatted soybean meal for shoyu and miso; SAKAE-MAME soybean meal for tofu.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
SOL-P soy protein.

YOSHIHARA OIL MILLS LTD. ★
1-2-2, Uchisaiwai-cho, Chiyoda-ku, Tokyo, Ph. 591-9275.
CONTACT: S. Nagano, Sales Mgr.
GOTOKU soy flour.

KOREA

DONG BANG CORPORATION ★
2-4-Ka, Yangpyong-dong, Yungdungpo-ku, C.P.O. Box 3031, Seoul 150, Ph. 676-9121; TLX: 27334 (DBCORP).
CONTACT: Jang Hong Yoo, Dir.
HAEPYO soy flour.

MEXICO

ACEITE CASA S.A.
Ave. Ceylon, No. 793, Col. Industrial Vellejo; TLX: 1771716 (CASAME).
CONTACT: Enrico Cusi, owner
Soy flour, protein concentrates and isolates.

ALIMENTOS COLPAC
Km. 13, Carratera Huatabampo, Apartado No. 502, Navojoa, Sonora, CP85800, Ph. 24130.
CONTACT: Filiberto Verduzco Avila, Gen. Mgr.
NUTRISOY soy flour.

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2, Ciudad Obregon, Sonora, 85000, Ph. 34690; TLX: 552839 (FJCOBR).
CONTACT: Alfredo Garcia Serrato, Prod. Mgr.
SOYARINA 50 soy flour.

GALLETERA MEXICANA S.A. (GAMESA)
Apdo. Postal 871, Ciudad Obregon, Sonora, Ph. 41907 or 51667
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
Soy flour, protein concentrates and isolates.

INDUSTRIAL DE ALIMENTOS S.A.
Poniente 146 No. 789, Col. Industrial Vallejo, Deleg. Azcapotzalco, 02300 D.F., Ph. 5674022 or 5679475.
CONTACT: Felipe Suberbie, Mgr.
SH, SHT and SL soy flours.

INDUSTRIAL JABONERA LA ESPERANZA S.A.
Valores Modernos SA, Fte. a la Estacion de los FFCC, Gomez Palacio, Durango, Ph. 40144, TLX: 032877.
CONTACT: Aureliano Alatorre M., Gen. Mgr.
Soy flour.

PRODUCTOS ALIMENTICIOS DELICIAS S.A.
Apartado Postal 376, Zona Industrial Oriente, Cd. Delicias, Chih., Ph. 23093.
CONTACT: Joaquin Ponce Aguirre, Gen. Mgr.
Full-fat soy flour.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA
Coenhavenweg 2, Box 8074, 1005AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT: Ruud Sevink, Mgr. Protein
Soy flour and grits.

FA. L.I. FRANK: FRANK SOYA ★
Oude Rijksstraatweg 36, P.O. Box 46, Twello 7290AA, Ph. 2141 or 2131; TLX: 49350 (FRANK NL).
CONTACT: C.V. Miedendorp de Bie
SUNSOY soy flour, concentrates, isolates.

NITICEL B.V. ★
Sluisstraat 57, P.O. Box 16, Musselkanaal, Ph. 6599; TLX: 53220 (TENKA NL).
CONTACT: A. Grooten. Dir.
HON 88, 89 and 90 soy flour, protein concentrates and isolates.

SOLNUTS B.V. ★
Swaardvenstraat 41, P.O. Box 5066, 5048 AV Tilburg, Ph. 684991; TLX: 52654 (SOLNU NL)
CONTACT: H. Stolk
SOL-SOY full-fat soy flour, enzyme active and enzyme inactive.

SINGAPORE

YEO HIAP SENG LTD. ★
950 Dunearn Rd., Singapore 2158, Ph. 44662266; TLX: 22143 (YHSL RS). Other locations: Petaling Jaya and Shah Alam, Selangor; Jawa Barat, Indonesia; Johore Bahru.
CONTACT: Joseph Yeo
Soy flour.

SOUTH AFRICA

JABULA FOODS LTD. ★
P.O. Box 818, Springs, Transvaal 1560, Ph. 813-2232; TLX: 421386.
CONTACT: M.J. Howell, Tech. Mgr.
JABULA full-fat soy flour.

TIGER PROTEIN INDUSTRIES PTY. LTD. ★
P.O. Box 575, Fedler Street Extension, Randfontein 1760, Transvaal, Ph. 693-4231; TLX: 420568.
CONTACT: David Bailie (678-4506)
HYPRO soy flour, concentrates, isolates.

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA) ★
Repelega, Portugalete, Vizcaya, Ph. 4965111; TLX: 32753.
CONTACT: Juan Leguina, Sls. Mgr.
EMULSOY soy flour.

TAIWAN

TAY SHAN ENTERPRISE CO. LTD. ★
14th Floor, No. 178, Sec. 2, Nanking E. Road, Taipei, Ph. 521-4152; TLX: 22863 (SUNRISE).
CONTACT: J. T. Chan
Soy flour.

TURKEY

PAKSOY TICKARET ve SANAYI A.S. ★
Karatas yolu 150, P.O. Box 144, Adana, Ph. 14666, 14667 or 14668; TLX: 62150 (SADE TR).
CONTACT: Ibrahim Paksoy or Ugur Paksoy
PAKSOY soy flour.

VENEZUELA

ESPECIALIDADES ALIMENTICIAS S.A. (ESPALSA) ★
Ave. Principal, Urbaniz, Edf. Oficentro, El Cafetal, Aptdo. 3367, Caracas, Ph. 986-5111; TLX: 24383 (ESPAL VC).
CONTACT: Peter Brabeck, Gen. Mgr.
CERELAC, LACTOVISOY soy flour.

FABRICA VENEZOLANA DE PROTEINAS S.A. (FAVEPRO) ★
Carretera 4, Calles 24 y 25, Zonas Industrial No. 1, Aptdo. 772, Barquisimeto, Edo. Lara, Ph. 450044; TLX: 52289.
CONTACT: Arnold Aponte, Gen. Mgr.
PERPLUS, SOYATEX textured soy protein/wheat gluten.

YUGOSLAVIA

SOJAPROTEIN ★
Industriska Zona B.B., Becej, Ph. 811691, 811692, 811693 or 811694; TLX: 14283.
CONTACT: Milan Medic
Soy flour, textured grits and textured soy protein.

SOY OIL PRODUCTS
Margarine, Shortening, Cooking/Salad Oils

UNITED STATES

AG PROCESSING INC ★
P.O. Box 427, St. Joseph, MO 64502, Ph. 816-233-6161; TLX: 750448; TWX: 910-997-0391. Main office: Omaha, NE.
Soy oil products.

ALL FRESH FOOD PRODUCTS, INC. ★
2156 Green Bay Rd., Evanston, IL 60201. Ph. 312-869-3100.
CONTACT: Gulshan Wadhwa
Margarine, shortening, cooking and salad oil.

ARCHER DANIELS MIDLAND CO. ★
MAIN OFFICE: 4666 Faries Pkwy., Decatur, IL 62526, Ph. 217-424-5200; TLX: 250121 (ADM CO DTR); TWX: 910-243-0698 (ADM DECATUR)
CONTACT: James Stowall
Margarine, shortening, cooking/salad oil.

BEST FOODS DIV.
CPC International Inc.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000; Plants at: San Francisco and Sante Fe Springs, CA; Chicago, IL; Bayonne, NJ.
NUCOA and MAZOLA margarine, shortening.

C.&T. REFINERY, INC. ★
4918 S. Blvd., Charlotte, NC 28203, Ph. 704-523-0414; TLX: 575257 (CTREFINERY CHA). Main office: Richmond, VA.
CONTACT: Sales Dept., Richmond, VA (804-359-5786)
MASTER CHEF shortening, cooking/salad oil.

CARGILL INC.
P.O. Box 9300, Minneapolis, MN 55440, Ph. 612-475-7575.
Soy oil.

CENTRAL SOYA COMPANY, INC. ★
1300 Fort Wayne Bank Bldg., P.O. Box 1400, Fort Wayne IN 46801-1400, Ph. 219-425-5100 or 800-348-0960, TLX: 027610 (CENSOYA FWA A).
CONTACT: Customer Service, Chemurgy
CENTRAFRY, CENTRACREME and CENTRACOTE margarine, shortening, cooking and salad oil.

COLFAX OF PHILADELPHIA INC. ★
2500 E. Tioga St., Philadelphia, PA 19134, Ph. 215-423-4242. Main office: Pawtucket, RI.
CONTACT: Gary R. Dressler, Mgr.
COLFAX, YOLANDA and POPSIT PLUS cooking/salad oil.

CONWAY OIL COMPANY ★
1405 W. Washington St., Denison, TX 75020, Ph. 214-465-3655.
CONTACT: John R. Davis, Pres.
Generic and private label margarine, shortening, cooking/salad oil.

PATRICK CUDAHY INC.
Cudahy, WI 53110, Ph. 414-744-2000, TLX: 269455 (PAT CUDA CUDA).
CONTACT: Dean W. Jacobson or Tony Tenaglia
Deodorized & hydrogenated lard & shortening.

DEAN FOODS CO. ★
2000 W. Broad St., Richmond, VA 23220, Ph. 804-359-5786; TLX: 827490 (CF SAUER RCH). Other locations: Greenville, SC; Sandston, VA.
CONTACT: Sales Dept.
DEW FRESH margarine.

DURKEE FOODS DIVISION ★
SCM Corporation
925 Euclid Ave., Cleveland, OH 44115, Ph. 216-344-8000; TLX: 985325 (GLIDDEN CLV). Other locations: Chicago and Joliet, IL.
CONTACT: C. E. Land, Jr.
DURKEE shortening and cooking/salad oil.

J.H. FILBERT INC.
3701 Southwestern Blvd., Baltimore, MD 21229, Ph. 301-644-4900; Plant at: 1591 Murphy Ave. SW, Atlanta, GA 30310.
CONTACT: Ken Higgens, Mgr. Food Processor
Fully refined and hydrogenated oil, margarine, shortening, cooking/salad oil.

HOLSUM FOODS
P.O. Box 32, Industrial Airport, KS 66031, Ph. 913-782-7171; Other location: 919 14th St., Albert Lea, MN 56007, Ph. 507-373-2431.
Margarine, shortening, cooking and salad oil, salad dressings.

HUMKO PRODUCTS ★
Kraft Inc., Industrial Foods Division
White Station Tower, P.O. Box 398, Memphis, TN 38101, Ph. 901-766-2100.
CONTACT: Gene Davis, VP
Margarine, shortening, cooking/salad oil.

INDUSTRIAL PRODUCTS GROUP
Stokely Van Camp Inc.
525 W. 1st Ave., P.O. Box 569, Columbus, OH 43216, Ph. 614-299-3131; TLX: 245494.
CAPITAL, PRIDE, BUCKEYE and PURITY margarines; HYMO, BBS, SUPER FRY shortenings; STABLAND, CAPITAL cooking/salad oils.

KRAFT INC.
Kraft Ct., Glenview, IL 60025, Ph. 312-998-2000.
CONTACT: Gerald J. Daleiden, VP Oil Procurement
PARKAY and MIRACLE margarine, KRAFT and RICHTEX shortening, RICHTEX and KRAFT cooking/salad oil.

LEVER BROTHERS CO. ★
390 Park Ave., New York, NY 10022, Ph. 212-688-6000; TLX: 666113 (LBCOM).
CONTACT: David Italiaander, Mgr. Fats & Oil Trading
IMPERIAL, PROMISE, AUTUMN, SHEDD'S SPREAD and COUNTRY CROCK margarine and shortening.

LOU ANA FOODS, INC.
P.O. Box 591, Opelousas, LA 70570, Ph. 318-948-6561; TLX: 56-6645 (LAF OPLS).
CONTACT: Bobby Harris, Ind. Sales Mgr.
LOU ANA, PERFECTO and MERMAID cooking/salad oil.

MALLET AND CO., INC. ★
Box 474, Carnegie, PA 15106, Ph. 412-276-9000.
CONTACT: A.E. Margolis
MELLO GOLD, PRIME FRY, SATIN GLO and SATIN FRY soy oil products.

THE MIAMI MARGARINE CO.
Food Service Div.
5226 Vine St., Cincinnati, OH 45217, Ph. 513-242-2310.
CONTACT: Ron Simoncini, Dir. of Mktg.
ROYAL SCOT, GOLDEN MAID, GOLDEN CHIP, NU-MAID, SATIN GOLD, SUPREME margarines; MIAMI, GRIDDLE KING shortening; SUPREME salad oil; RICH N' EGGS salad dressing; OLD DUTCH peanut butter.

PERDUE INC. ★
P.O. Box 1537, Salisbury, MD 21801,
Ph. 301-543-3000.
CONTACT: Bill Bohen or Keith Darby
Cooking/salad oil.

QUINCY SOYBEAN CO. ★
Hwy. 20 S., P.O. Box 70, Helena, AR 72342;
Ph. 501-338-6481; TLX: 404421 (QCY SOYBEAN QUI). Main office: Quincy, IL.
CONTACT: Richard P. Schuering
Cooking/salad oil.

RICELAND FOODS
2120 S. Park Ave., P.O. Box 926,
Stuttgart, AR 72160, Ph. 501-673-5500;
Other location: Helena, AR.
Margarine, shortening, cooking and salad oils.

S.E. RYKOFF & CO. ★
737 Terminal St., Los Angeles, CA 90021,
Ph. 213-622-4131.
CONTACT: Donald W. Becker
RYKOFF and private label soy oil products.

SAFEWAY STORES INC. ★
Brookside Div.
Oakland, CA 94660. Ph. 415-944-4527. Plants at: Richmond, CA; Denison, TX; Grandview, WA.
CONTACT: Frank Bienati, Sales Mgr.
COLDBROOK margarine, PIEDMONT shortening.

JOHN SEXTON & CO.
222 S. Riverside Plaza, Chicago, IL 60606,
Ph. 312-648-1100.
CONTACT: F.R. Einterz, VP Mfg.
Shortening, salad dressings and other soybean based products.

SHEDD'S FOOD PRODUCTS
14401 Dexter Blvd., Detroit, MI 48238,
Ph. 319-869-6313; TLX: 230731;
Plants at: Sunnyvale and Vernon, CA; Elgin, IL; Louisville, KY; Omaha, NE; Greenville, SC; and Dallas, TX.
CONTACT: Ralph Monroe, Traffic Mgr.
SHEDD's margarine, shortening, old-style dressing and salad products.

A.E. STALEY MFG. CO. ★
2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AE STALEY);
TWX: 910-243-0459 (AE STALEY).
CONTACT: D. L. Camerer, Natl. Sls. Mgr.
Cooking/salad oils, and GUNTHER whipping proteins.

TOWNSENDS, INC. ★
P.O. Box 468, Millsboro, DE 19966,
Ph. 302-934-9221.
CONTACT: Seth Taylor, Merch. Mgr.
Cooking/salad oil.

VEG-OIL INC. ★
P.O. Box 1926, Oakland, CA 94604,
Ph. 415-895-5995.
CONTACT: Dale Caskey
Margarine, shortening, cooking/salad oil.

WILSEY FOODS, INC. ★
14840 E. Don Julian Rd., City of Industry, CA 91746, Ph. 818-4527; TLX: 670351 (WLSECORP).
Other locations: Los Angeles, Oakland and San Francisco, CA; Atlanta, GA; Bayonne and Carteret, NJ; Salem, OR; Fort Worth, TX.
CONTACT: Customer Service at nearest location.
BAK-TEX, CAKE TONE, CHEF'S PRIDE, CREAM FLAKE, DO KING, FANCY FRY, FLAKO, FRY-IT, GOLD-N-EG, GOLD-N-OIL, GOLD-N-RICH, GOLD-N-SWEET, HALF-CAL, HANDI-POP, HI-LIFE, HY-TOP, MELLO MOIST, ONE PLUS TWO, OUR BETR FRY, RICHENOL, ROLLITE, SAFFOLA, SUPER HY-CAKE, TABLE MAID, TRAILHAND, VOPCO, VO-POP, W.B. and WHITE CAP soy oil products.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Paseo Colon 746, Buenos Aires, 1323;
Ph. 30-8463, 30-8485, 33-3002 or 33-3003;
TLX: 22270 (MRPSA AR).
CONTACT: Dr. Nolly Sirkis, Div. Mgr.
DELICIA and MANTY margarines; COCINERO, LIRA, RIO UVA, RIO MAIZ, IDEAL and TORERO cooking/salad oils.

SOCIEDAD ANONIMA FABRICAS Y REFINERIAS DE ACEITES (SAFRA)
Av. de Mayo 633, Piso 4°, Buenos Aires 1084,
Ph. 34-6154 or 34-4804; TLX: 21096 (SAFRA AR) or 17847 (SAFRA AR).
CONTACT: Eduardo Colombo, Mgr.
Cooking/salad oil.

AUSTRALIA

GARDNER SMITH PTY. LTD. ★
P.O. Box 606, Neutral Bay Jct., Neutral Bay,
NSW 2089, Ph. 909-2222;
TLX: 20824 (ENERGET AA).
CONTACT: Gary Seaton or Frank Binkley
Cooking/salad oil.

NUTTELEX FOOD PRODUCTS PTY. LTD. ★
594-600 Church St., Richmond, Melbourne,
Ph. 428-3585; TLX: 30333 (EDZORN AA).
CONTACT: Ian G. McNally, Mgr.
NUTTELEX and SUNBURST margarine, shortening and cooking/salad oil.

SOUTHERN PACKERS ★
Div. of Q.C.M.A. Ltd.
250 Ingles St., Port Melbourne 3207, Victoria
Ph. 645-1400; TLX: 33730 (SOPAK AA).
CONTACT: Michael A. Livesey, Div. Mgr.
SOUTHPAK shortening, cooking and salad oil.

AUSTRIA

OSTERREICHISCHE UNILEVER GmbH ★
Kuner Division
Rosengasse 4, 1011 Vienna, Ph. 6619-500;

TLX: 114080 or 115083.
Other office: Klagenfurt.
CONTACT: Sales Office
Fully refined and hydrogenated oil; margarine, shortening, cooking/salad oil.

BELGIUM

UNION N.V.
De Keyserlei 5 Bus 1, Antwerp, B 2018,
Ph. 2231370; TLX: 334895.
CONTACT: L.J.P. Janssens, Mgr.
SOLO, PLANTA, BECEL, NATURA, ORO margarines; IMPERIAL cooking/salad oil.

VANDEMOORTELE N.V. ★
Prins Albertlaan 12, 8700 Izegem, Ph. 302222;
TLX: 81622 (VAMO B).
CONTACT: J. Rabaut, Dir.
Margarine, shortening and cooking/salad oil.

BOLIVIA

INDUSTRIAS DE ACEITE S.A. ★
Ballivian 262, P.O. Box 1759, Santa Cruz,
Ph. 47008 or 47700; TLX: 4260 (IASA BV).
CONTACT: Felipe Campbell, Gen. Mgr.
Cooking/salad oil.

SOCIEDAD ACEITERA DEL ORIENTE S.A. (SAO)
Parque Industrial, P.O. Box 1294,
Santa Cruz, Ph. 35149, 36476 or 50888;
TLX: 4299 (SAO BV).
CONTACT: Arturo Klaiman, Financial Director
Cooking/salad oil.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO ★
Rua Enxovia 423, Santo Amaro, Sao Paulo
04711, Ph. 548-5500; TLX: 22597 (BWEY BR).
CONTACT: Liu Shun Ku, Exec. Dir.
OURO AZUL and SELECAO cooking/salad oil.

INDUSTRIA DE OLEOS PACAEMBU S.A. ★
Rua Silva Teles, 1465 Pari, Sao Paulo,
CEP 03026, Ph. 291-8844; TLX: 22374 (IOLP)
CONTACT: Kanje Adachi, Mgr.
PACAEMBU cooking/salad oil.

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) ★
Praca Osvaldo Cruz 15-16, Porto Alegre, RS,
90000. Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
VIOLETA cooking/salad oil.

INDUSTRIAS J.B. DUARTE S.A. ★
Rua dos Patriotas, 1382 Ipiranga,
Sao Paulo, 04207, Ph. 274-8211,
TLX: 21226, 33172 or 36622 (IJBD BR).
CONTACT: Archimedes Jorge Cortellazzi
JB, VIDA, CERES, MARIA, GILDA, CARAVELAS, T. BELEM soy oil products.

MINASA
Caixa Postal 1101, Campinas, S.P. 13.100,
Ph. 42 1966; TLX: 019 1043 (MINA BR);
CONTACT: John B. Sieh, Gen. Mgr.
MINASA cooking/salad oil.

PERDIGAO ALIMENTOS S.A.
Av. Nossa Senhora da Paz 722, 05349 Sao Paulo
SP, Ph. 2688188; TLX: 1123506 (PERD BR).
CONTACT: Juarez A. Leoni, Sls. Mgr.
Cooking/salad oil.

PRODUTOS ALIMENTICIOS DAS INDUSTRIAS GESSY LEVER LTDA.
Divisao de Van den Bergh
Av. Vereador Jose Diniz, 3530,
Caixa Postal 60.091, Sao Paulo 01000,
Ph. 542-6111; TLX: 22795.
CONTACT: Samuel Aguirre Diaz, Tech. Dir.
DORIANA, BECEL, ASTRA, ADORELLA, GRADINAS and DULAR margarine.

REFINADORA DE OLEOS BRASIL S.A.
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr.,
Sao Paulo, S.P., 01311, Ph. 287-3122;
TLX: 32042 (NEVA BR) and 23827 (ROBR BR);
CONTACT: C.A. Walter or J.P. Mayor
MESA shortening, AMELIA cooking/salad oil.

RESEGUE INDUSTRIA E COMMERCIA S.A. ★
Rua Marie Paula, 88, Sao Paulo, 01319,
Ph. 259-2000; TLX: 24762 or 25303 (IROV BR).
CONTACT: Pedro Laercio Fancio, Mgr.
TATA shortening, MINDOL cooking/salad oil.

CANADA

CANADA PACKERS, INC. ★
Edible Oils Division
30 Weston Rd., Toronto, Ont. M6N 3P4,
Ph. 416-766-4311; TLX: 069-69539.
CONTACT: G. Morhun
BISCOT and BISCOT 140 soy oil products.

MONARCH FINE FOODS CO., LTD. ★
3700 Finch Ave. W., Rexdale, Ont. M9W 1G9,
Ph. 416-675-1678; TLX: 06-989485 (MONFOODS TOR). Other plant at Vancouver, B.C.
CONTACT: R. Bolhuis or P. Dallow
IMPERIAL, MONARCH, BECEL, COVO and SPRY margarine, shortening, cooking/salad oil.

CHILE

ANGELINI-GRACE (CHILE) S.A. ★
Victoria Suber Casaeux 381, Santiago,
Ph. 397561; TLX: 441023 (GRACE CL).
CONTACT: Ramon Bou, Operations Mgr.
Cooking/salad oil.

COLOMBIA

ACEITALES S.A. ★
Calle 12, No. 37-19, Bogota 6, Ph. 2378555;
TLX: 43121 (ACLES CO).
CONTACT: Hilda de Restrepo
Shortening, cooking/salad oil.

ACEITES Y GRASAS VEGETALES S.A. (ACEGRASAS)
Aptdo. 12615, Carretera del Sur 57-21, Bogota, Ph. 383127; TLX: 41368.
CONTACT: Hernando A. Vergara V.
DAGUSTO and NIEVE margarine, LA SEVILLANA shortening and cooking/salad oil.

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali,
Ph. 422035 or 422641; TLX: 055706.
CONTACT: Ivan Palacio Lujan
Shortening.

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aereo 85, Buga, Valle, Ph. 72021, TLX: 5866 (GRASA CO).
CONTACT: Guillermo Restrepo, Comm. Mgr.
OLIOSOYA edible oil & LA GARZA shortening.

GRASAS VEGETALES S.A. (GRAVETAL) ★
Apartado Aereo 5002, Medellin; Ph. 880711 or 880320; TLX: 66797 (GVTAL CO).
CONTACT: Carlos Zuluaga, Mktg. & Sls. Mgr.
ACEITE S&S, MANTECA GRAVETAL shortening, cooking/salad oil.

LLOREDA GRASAS S.A.
Autopista Cali-Yumbo Kilometro 3,
Ph. 682111; TLX: 055711 (LLOGR CO).
CONTACT: Hugo Parra, Comm. Mgr.
NOVA margarine, MANTECALI shortening and OLEOCALI cooking and salad oils.

DENMARK

DANSK SOJAKAGEFABRIK ApS ★
24, Islands Brygge, DK-2300 Copenhagen S,
Ph. 546600; TLX: 31313 (DASOY DK).
CONTACT: J.U. Haxthausen
Cooking/salad oil.

VIBY FABRIKKER (FDB) ★
Enghavevej 1, P.O. Box 2250, 8260 Viby J.,
Ph. 142200; TLX: 68646 (FDBFAB DK).
CONTACT: Kurt Kaae, Purch. Mgr.
PLANTE 20 AND TREKRONER margarine and cooking/salad oil.

DOMINICAN REPUBLIC

PRODUCTORA NACIONAL DE ALIMENTOS BALANCEADOS S.A. (PRONALBA) ★
Affiliate of Industrias Lavador C.A.
Ave. San Martin 124, P.O. Box 1383,
Santo Domingo, Ph. 809-565-2136;
TLX: 3460200 (LAVADOR).
CONTACT: Mario J. Cabrera, VP
Margarine, shortening, cooking/salad oil.

SOCIEDAD INDUSTRIAL DOMINICANA C.A.
P.O. Box 726, Santo Domingo, Ph. 565-1323;
TLX: ITT 3460021 and RCA 3264210 (INDOCA).
CONTACT: Otto W. Bauer, Asst. Adm.
Margarine, shortening, cooking/salad oil.

ECUADOR

FABRICA DE ACEITES LA FAVORITA S.A. ★
P.O. Box 486, Guavaquil,
Ph. 402840; TLX: 043174 (JARITA ED).
CONTACT: Xavier Vallarino, Pres.
DORINA and BONELLA margarine, PORKY shortening and LA FAVORITA cooking/salad oil.

INDUSTRIAS ALES C.A. ★
Caracas 138 y Salinas, P.O. Box A-4616, Quito,
Ph. 230376, TLX: 2198 (ALESCA ED).
CONTACT: Patricio Alvarez, Gen. Mgr.
Margarine, shortening and cooking/salad oil.

JABONERIA GUAYAQUIL ★
Chimborazo 2.909 y Camilo Destruje, Guayaquil,
Ph. 343703.
CONTACT: Eduardo Suarez
INSUPERABLE shortening and cooking/salad oil.

OLEICA S.A.
Km. 6½, Via a Daule, Casilla 3228, Guayaquil,
Ph. 351300; TLX: 3234 (OLJACE ED).
CONTACT: Francisco Molano, Tech. Dir.
KLAR margarine, ALEGRIA shortening, LA PERLA cooking/salad oil.

PRIMEROS HIDROGENADOS DE ACEITES Y GRASAS ECUATORIANAS S.A. (PHIDAYGESA)
Km. 16½, Via a Daule, Guayaquil, Ph. 351555;
TLX: 04-3506.
CONTACT: Emilio Baquerizo V., Pres.
ESPECIAL and ASTRA margarine; UNICA and LECHONCITA shortenings; UNICA and BRILLANTE cooking/salad oil.

ENGLAND

S.D. MATTHEWS LTD. ★
Healey Old Mills, Ossett, West Yorkshire, WF5 8NE, Ph. 272534; TLX: 55483 (MATGRP G).
CONTACT: Terry Waite
ST. LUKE'S, SUPERSOFT AND FLEUR margarine.

VAN DEN BERGHS AND JURGENS LTD.
Sussex House, Burgess Hill, West Sussex RH15 9AW, Ph. 46300; TLX: 877381 (VDBJ BH G);
CONTACT: B.P. Backlog, O&F Mgr.
STORK, ECHO, BLUEBAND, FLORA, TOMOR, SUMMER COUNTY AND KRONA margarine; COOKEEN, SPRY CRISP 'N DRY, VEBOL and WHITE CAP shortenings; CRISP 'N DRY, SALADIN, FRYTOL and FLORA cooking/salad oil.

FEDERAL REPUBLIC OF GERMANY

FRITZ HOMANN LEBENSMITTELWERKE GmbH & CO. KG ★
P.O. Box 1180, 4503 Dissen, Ph. 05421-311;
TLX: 94311.
CONTACT: Herrn Hick, Verkauf
Margarine, shortening, cooking/salad oil.

NOBLEE & THORL GmbH ★
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 771681;
TLX: 217713 (NOBL D).
CONTACT: Rolf Spindler, Purch. Mgr.
Shortening.

OELWERKE NOURY & VAN DER LANDE GmbH ★
Industriestrasse 10, P.O. Box 1540, 4240,
Emmerich/Rhein, Ph. 02822-741;
TLX: 8125203 (NVL D).
CONTACT: F. Kielman, Sls. Mgr.
VAN DER LANDE cooking/salad oil.

A. SAUMWEBER GmbH ★
Emil-Geis-Str. 3-7, Postfach 70-16-08,
8000 Munchen 70, Ph. 723-2026; TLX: 523556.
CONTACT: W. Saumweber
Margarine, shortening, cooking/salad oil.

FINLAND

RAISION TEHTAAT
Oy Kasviojy-Vaxtolje AB
SF-21200 Raisio, Ph. 780311;
TLX: 62140 (RAUL SF).
CONTACT: Heikki Siintola, Mgr. Foreign Dept.
Soy oil.

GERMAN DEMOCRATIC REPUBLIC

VEB KOMBINAT OEL UND MARGARINE ★
Berliner Chausse 66, DDR-3014 Magdeburg,
Ph. 5870; TLX: 08247.
Margarine, shortening, cooking/salad oil.

HAITI

SOCIETE D'EXPLOITATION D'OLEAGINEUX (SOLDEXOL, S.A.M.) ★
P.O. Box 13460, Delmas, Port-au-Prince,
Ph. 20444 or 28202; TLX: 2030438 (SODEXOL).
CONTACT: Eliezer Bashan, Gen. Dir.
Cooking/salad oil.

INDIA

KALYAN SOLVENT EXTRACTION LTD. ★
53 Bajaj Bhavan, Nariman Point,
Bombay 400021, Ph. 202-4907 or 202-2087;
TLX: 011-3187 (MOON IN).
CONTACT: K.C. Barjatya, Mgr. Dir.
Margarine, shortening, cooking/salad oil.

LIBERTY OIL MILLS PVT. LTD. ★
302 Dalamal House, 206 Nariman Point,
Bombay 400 021, Maharashtra,
Ph. 244445; TLX: 011-6189 (LIBO IN).
CONTACT: Parvez Kader or A.R. Ganj
CHANDA shortening.

PRESTIGE FOODS PVT. LTD. ★
30 Jaora Compound, M.Y.H. Road,
Indore 450021, M.P., Ph. 34014, 4633 or 21725;
TLX: 735205 (PFM IN).
CONTACT: Davish Jain, Dir.
PRESTIGE cooking/salad oil.

SHRIRAM FOODS & FERTILISER INDUSTRIES ★
Affiliate of D.C.M. Ltd., Delhi
Kanchenjunga Bldg., 5th Floor,
18 Barakhamba Rd., New Delhi 110001,
PH. 40171; TLX: 031-2416 (SFFI IN).
CONTACT: Marketing Dept.
PALKI and ROSHNI shortening, RATH and PANGHAT hydrogenated oil, RUBY cooking oil.

INDONESIA

PT SARPINDO SOYABEAN INDUSTRI ★
Affiliate of Sinar Mas, Jakarta
Jalan Jembatan Tiga Blok F-G, Pluit,
Jakarta, Ph. 661522; TLX: 46020 (SH JKT).
CONTACT: George C. Yang
Cooking/salad oil.

ISRAEL

ETZ HAZAYITH LTD.
P.O. Box 193, PetahTikva, 49101, Ph. 927171;
TLX: 341859 (ETZHL ILG).
CONTACT: P. Naor, Plant Mgr.
Margarine, shortening, cooking/salad oil.

OLIVEX LTD.
25 Rothschild Blvd., P.O. Box 1498,
61014 Tel-Aviv, Ph. 614451;
TLX: 341118 (BXTV IL); CABLE: EXOLIV.
CONTACT: Wolf Cegla, Uriel G. Cegla
GOLD OIL cooking/salad oil.

TETH BETH LTD.
P.O. Box 147, Petah Tikva 49101,
Ph. 913191; TLX: 341962 (TB IL).
CONTACT: Ezra Berger, Mgr.
TETH BETH margarine and cooking/salad oil; SHORTOL shortening.

ITALY

CHIARI & FORTI S.p.A. ★
Affiliate of Quaker Oats
Via Cendon 20, Silea TV, 31057,
Ph. 5831; TLX: 410190 (TOPAZ I).
TOPAZIO cooking/salad oil.

I.G.O.R. S.p.A.
Via Vilano 3, Orzinuovi, 25034,
Ph. (030) 941761-2-3-4-5;
TLX: 300054 (IGEAOR).
CONTACT: Zanisi Adriano, Pres.
VEGETALINA-MILDA GOLD margarine, FRYPALM shortening.

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC)
Molo Sud, Zona Industriale, Ancona,
Ph. 55771; TELEGRAPH: ICIC Ancona,
TLX: 560035 (ICIC A) or 560866 (ICIC B).
CONTACT: Fabio Russo, Asst. Gen. Mgr.
SIGILLO cooking/salad oil.

S.I.O. S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. 22 2571;
TLX: 510138 (SIO MO I).
CONTACT: Paolo Domenichini, Admin.
OSCAR cooking/salad oil.

SOCIETA' VASTESE OLII ALIMENTARI S.p.A. (SVOA) ★
Affiliate of FINSPA S.p.A., Rome
Localita Punta Penna, Zona Industriale,
Vasto Porto 66054, Ph. 50144;
TLX: 600059 (SVOA I).
CONTACT: L. Sabatucci, Gen. Mgr.
Cooking/salad oil.

STAR STABILIMENTO ALIMENTARE S.p.A. ★
Via Matteotti 142, 20041 Agrate Brianza,
Milano, Ph. 6550; TLX: 330133.
CONTACT: Uccelli Giacomo
FOGLIA D'ORO, OLITA AND STAR cooking/salad oil, margarine.

VAN DEN BERGH ★
Division of Unilever (Italy) S.p.A.
Via N. Bonnet 10, 20154 Milan,
Ph. 6233; TLX: 332582 (VDB I).
CONTACT: G. Marzi
Margarine, shortening, cooking/salad oil.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104,
Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
HI-TONE, HAPPY-COOK and MARINA margarine, shortening, cooking/salad oil.

FUJI OIL CO. LTD. ★
6-1 Hachiman-cho, Minami-ku, Osaka 542,
Ph. 213-8158; TLX: 522-2057.
Margarine, shortening, cooking/salad oil.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3, Ohtemachi,
Chiyoda-ku, Tokyo, Ph. 211-6511;
HOHNEN salad and tempura oil.

MEJI MILK PRODUCTS CO., LTD. ★
3-6, Kyobashi, 2-chome, Tokyo 104,
Ph. 274-5198; TLX: 2222404 (MEINYU J).
CONTACT: F. Takao Watanabe, Dev. Plng.
BORDEN margarine, and shortening.

NIKKO OIL MILLS CO. LTD.
Kowa Hitotsubashi Bldg., 3-5-1 Kanda,
Nishiki Cho, Chiyoda-ku, Tokyo,
Ph. 233-3951; TLX: 2224940 (NIKOIL).
CONTACT: F. Nonaka, Mgr. Dir.
NIKKO salad oil and soy oil.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo,
ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
BON-LAND margarine and shortening; NISSHIN salad oil.

YOSHIHARA OIL MILLS LTD. ★
1-2-2, Uchisaiwai-cho, Chiyoda-ku, Tokyo,
Ph. 591-9275.
CONTACT: S. Nagano, Sales Mgr.
GOLDEN salad oil.

KOREA

CHEIL SUGAR & CO. LTD. ★
17th Floor, Dong Bang Main Bldg., 150,
2-KA, Tae Pyung-Ro, Chunk-Ku, Seoul,
Ph. 756-3436, TLX: 23762 (CHESCO K).
CONTACT: J.S. Kim, Sr., Managing Dir.
WHITE SNOW cooking/salad oil.

DONG BANG CORPORATION ★
2, 4-Ka, Yangpyong-dong, Yungdungpo-ku,
C.P.O. Box 3031, Seoul 150, Ph. 676-9121;
TLX: 27334 (DB CORP).
CONTACT: Jang Hong Yoo, Dir.
HAEPYO cooking/salad oil.

KUWAIT

KUWAIT FLOUR MILLS CO. S.A.K.
Jamal Abdulnasser St., P.O. Box 681, Safat,
Ph. 841866; TLX: 22209 (MATAHEN).
CONTACT: Bader A. Al Mousa, Gen. Mgr.
DALAL shortening and cooking oil.

MALAYSIA

SOCOIL CORPORATION BHD. ★
167, Jalan Kem, P.O. Box 107, Port Klang,
Selangor, Ph. 387306, 387307 or 387308;
TLX: 39706 (SOCOIL MA).
CONTACT: Alan Ng, VP
SOYALITE shortening and cooking/salad oil.

MALTA

THE EDIBLE OIL REFINING CO. LTD.
Mgieret Rd., P.O. Box 539, Marsa,
Ph. 623613; TLX: 1420 MW (OIL REF).
CONTACT: J. Parnis England, Mgr. Dir.
Margarine, shortening, cooking/salad oil.

MEXICO

ACEITE CASA S.A.
Ave. Ceylon, No. 793, Col. Industrial Vallejo;
TLX: 1771716 (CASA ME).
CONTACT: Enrico Cusi, owner
Cooking/salad oil.

GALLETERA MEXICANA S.A. (GAMESA)
Apdo. Postal 871, Ciudad Obregon, Sonora,
Ph. 41907 or 51667.
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
MANTECA CLARA shortening.

HIDROGENADORA NACIONAL S.A. DE C.V.
Rio Lerma #150, Tlalnepantla, Ph. 5650133 or
5659280; TLX: 172658 (HINA ME).
CONTACT: Nicolas Xacur, Pres.
Margarine, shortening, cooking/salad oil.

INDUSTRIAL ACEITERA S.A.
Km 20½, Carretera, Cuautitlan, Aptdo, 182, Tlalnepantla; TLX: 017 178656 (IASA ME).
CONTACT: Hector Garcia Padilla, Oper. Mgr.
COLON shortening, MARAVILLA, COLON and SORAYA cooking/salad oil.

INDUSTRIAS CONASUPO S.A. DE C.V.
Subsidiary of Compania Nacional De Subsistencias Populares
Km. 11.5 Carretera A. San Luis R.C. Sonora, Mexicali, Baja California, Ph. 68761 AL 64; TLX: 569802 (ICMX ME).
CONTACT: Eduardo Benjarano, Tech. Sup.
ALIANZA and POPO shortening and cooking/salad oil.

NEGOCIACION INDUSTRIAL SANTA LUCIA S.A.
Av. Heroes de Nocupetaro No. 1022, Morella Michoacan, Ph. 20175.
CONTACT: Fernando Trevimo, Plt. Dir.
SANTA LUCIA, DALIA and CAMPAMA shortening, SANTA LUCIA cooking/salad oil.

NETHERLANDS

GOUDA'S GLORIE VAN DIJK
2e Industriestraat 8, 3411 ME Lopik, Ph. 8911; TLX: 47975 (GLORI NL).
CONTACT: J.M.W. Bekkers, Mgr.
GOUDA'S GLORIE margarine, shortening and cooking/salad oil.

REMIA C.V. ★
Willem Arntszlaan 71-77, 3734 Ed Den Dolder, Ph. 797911; TLX: 47169 (REMIA NL).
CONTACT: L. Peperzak or F. Sluimer
REMIA, ROLAND and McMILLAN margarine, shortening, cooking/salad oil.

PERU

COMPANIA OLEAGINOSA DEL PERU S.A.
Casilla 2965, Lima 100, Ph. 52-5570; TLX: 036-25418 (PE FABRIL).
CONTACT: Augusto Echecopar, Mgr. Dir.
CREMA de ORO, SELLO de ORO, MANTY and RI-K margarine; FARO, LaCOCINERA, PRIMOR and COPSAMIX shortening; PRIMOR and COCINERO cooking/salad oil.

SINDI S.A.
Av. Central 643-10° Piso, San Isidro, 11239 Lima 14, Ph. 415283; TLX: 21187 (PE SINDI).
CONTACT: Cristobal Rosas Zorrilla, Gen. Mgr.
Shortening, cooking/salad oil.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION ★
E. Rodriguez Ave., Pasig, Metro Manila, Ph. 673-7541, 60-2259 or 673-7523; TLX: 63828 or 43125 (CFCURC PM).
CONTACT: Henry L. Go, Sr. VP
Cooking/salad oil.

PORTUGAL

SOCIEDADE IBERICA DE OLEAGINOSAS SARL (IBEROL) ★
Apartado 5109, 1702 Lisbon Codex, Ph. 250-1921 or 250-1275; TLX: 42214 or 12422.
Cooking/salad oil.

SCOTLAND

CARDOWAN CREAMERIES LTD. ★
Holywell Street, Glasgow G31 4BT, Ph. 554-1137.
CONTACT: J. McCarthy
KING COLE margarine and shortening; FRYBEX cooking/salad oil.

SINGAPORE

SIME DARBY EDIBLE PRODUCTS LTD. ★
255 Jalan Boon Lay, Jurong Town, Singapore 2261, Ph. 264-3733 or 265-1833; TLX: 24070 (SIMTRAD RS).
CONTACT: C.Y. Yap, Bily Tan or N.H. Tham
SUNBEAM and CHIEF shortening and cooking/salad oil.

SPAIN

ACEITERIAS REUNIDAS DE LEVANTE S.A. (ARLESA)
Paseo de la Castellana, 143, Madrid 16, Ph. 2796300; Plants at: Valencia and Sevilla.
CONTACT: Jan Van Kesteren
Shortening, cooking/salad oil.

ACEITES Y PROTEINAS S.A. (ACEPROSA) ★
Repelega, Portugalete, Vizcaya, Ph. 4965111; TLX: 32753.
CONTACT: Juan Leguina, Sls. Mgr.
Cooking/salad oil.

COMPANIA INDUSTRIAL Y DE ABASTECIMIENTOS, S.A. (CINDASA) ★
Affiliate of Cargill Inc.
Avda. de los Madronos, 31, 28043 Madrid, TLX: 44374 (CINDO E).
CONTACT: Javier Losantos, Asst. Gen. Mgr.
CINDO-AMPUR cooking/salad oil.

SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★
Plaza de Chamberi, 8-7°, Madrid 28010, Ph. 447-3013; TLX: 27216 (SIMSA E).
CONTACT: Ms. Alicia Delfin
Cooking/salad oil.

SWEDEN

MARGARINBOLAGET AB ★
Box 30025, S-104 25 Stockholm, Ph. 541360; TLX: 19571 (MARG S).
CONTACT: Ulf Larsson
FLORA, TRE ESS, MILDA, MELBA and other margarines.

SWITZERLAND

SAIS ★
Affiliate of Unilever NV, Rotterdam
Forrlibuckstrasse 10, CH-8031, Zurich,
Ph. 444471; TLX: 822752 (SAIS ZH).
CONTACT: Walter H. Hefti, Chrmn.
Margarine, shortening, cooking/salad oil.

TAIWAN

EAGLE FOOD INDUSTRY CORPORATION ★
12th Floor, 310 Sec. 4, Chung Hsiao E. Rd.,
Taipei 105, Ph. 781-1161;
TLX: 11547 (REWARD).
CONTACT: Chen-Feng Wang, Pres.
Cooking/salad oil.

HSIAO-KANG BY-PRODUCTS FACTORY, TSC ★
133, Hsiao-Kang Rd., Kao-Hsiung 812,
Ph. 821-4160.
CONTACT: T.W. Tang, Plant Mgr. or
C. W. Chen, Deputy Mgr.
TSC cooking/salad oil.

HUI SHUNG SOLVENT OIL CO. LTD. ★
5F, 21 Sec. 1, Chang An E. Rd., Taipei,
Ph. 581-1515, 581-1516 or 581-1517.
CONTACT: W. K. Wang, Chairman
BEST cooking/salad oil.

PRESIDENT ENTERPRISES CORP. ★
301, Chung-cheng Rd., Yan Harng, Yungkang,
Taipei 711, Ph. 532121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Exec. VP
Margarine, shortening and cooking/salad oil.

TAI HWA OIL INDUSTRIAL CO. LTD. ★
235 Minchu 1st Rd., San-Ming District,
Kaohsiung 800, Ph. 382-3366.
CONTACT: Y. P. Chen, Plant Mgr.
GOLD salad oil.

TAY SHAN ENTERPRISE CO. LTD. ★
14th Floor, No. 178, Sec. 2, Nanking E. Road,
Taipei, Ph. 521-4152; TLX: 22863 (SUNRISE).
CONTACT: James T. Chan
TAY SHAN salad oil.

THAILAND

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD. ★
829-835 Opp. Taladplu Railway Station,
Dhonburi, Bangkok 10600,
Ph. 465-0971, 466-3082 or 466-4856.
CONTACT: Vichit Vitayathanagorn, Mgr. Dir.
GRAPE cooking/salad oil.

THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. ★
Affiliate of Poon Phol Co., Ltd., Bankok
99 Soi Thanakorn (Phra Pradaeng), Tambol Bang
Prakod, Samutprakarn, Ph. 425-8930;
TLX: 82940 (POONPOL TH).
CONTACT: Vibul Sarakitpricha, Mgr. Dir.
Cooking/salad oil.

TURKEY

PAKSOY TICARET ve SANAYI A.S. ★
Karatas yolu 150, P.O. Box 144, Adana,
Ph. 14666, 14667 or 14668;
TLX: 62150 (SADE TR).
CONTACT: Ibrahim Paksoy or Ugur Paksoy
DOYA, NEBA and PAKSOY margarine, shortening and cooking/salad oil.

VENEZUELA

BRANCA S.A. ★
Zona Industrial II Sur, Ave. Ernesto L. Branger,
Aptdo. 161, Valencia, Carabobo, Ph. 333533;
TLX: 23222.
CONTACT: Alejandro Hernandez, Plant Mgr.
ACEITE BRANCA cooking/salad oil.

FABRICA DE ACEITES EL AGUILA C.A. ★
Calle Bermudez Coussin 97-64, P.O. Box 255,
Valencia, Carabobo 2001A, Ph. 88865 or 88869;
TLX: 45339 (ACELA VC).
CONTACT: Miguel Garcia, Gen. Mgr.
ACEITE EL AGUILA cooking/salad oil.

C.A. FACEGRA ★
Calle 107, c/c Farrier, Apdo. No. 1, Valencia,
Carabobo, Ph. 86495; TLX: 41171.
CONTACT: Louis Hernandez, Gen. Plant Mgr.
ACEITE EL REY cooking/salad oil.

C.A. GRASAS DE VALENCIA
Av. Henry Ford, Zona Industrial Sur.,
Valencia, Ph. 332022; TLX: 45312.
CONTACT: Josu Urresti
LA ESTANCIA margarine; AMERICANA, DIANA, AURA shortening; DIANA cooking/salad oil.

MAVESA S.A. ★
Ave. Principal Los Cortijos de Lourdes,
Edf. Mavesa, Aptdo. 2048, Caracas,
Ph. 239-1133; TLX: 25530 (MAVES VE).
CONTACT: Efrain Castillo, Plant Mgr.
MAVESA and NELLY margarine.

YUGOSLAVIA

KMETIJSKO ZIVILSKI KOMBINAT GORENJSKE ★
Tozd Tavarna olja (OLJARICA)
Britof 27, 64000 Kranj, Ph. 064-2271;
TLX: 34698.
CONTACT: Novak Milan
CEKIN soy oil products.

SOY SAUCE

UNITED STATES

KIKKOMAN INTERNATIONAL INC.
50 California St., Suite 3600,
San Francisco, CA 94111, Ph. 415-956-7750.
CONTACT: Kaz Takei, VP Inst. & Ind. Sales
Soy sauce, teriyaki sauce, meat marinades and powdered soy sauce.

MANDARIN SOY SAUCE, INC. ★
419 North St., Middletown, NY 10940,
Ph. 914-343-1505.
CONTACT: Michael Wu
WAN JA SHAN soy sauce.

MENU MAGIC FOODS ★
Division of North America Laboratory, Inc.
1717 W. 10th St., Indianapolis, IN 46222,
Ph. 317-635-9500.
CONTACT: C. R. Lewis, Reg. Sales Mgr.
MENU MAGIC soy sauce.

S.E. RYKOFF & CO. ★
737 Terminal St., Los Angeles, CA 90021,
Ph. 213-622-4131.
CONTACT: Donald W. Becker
Soy sauce.

SAN-J INTERNATIONAL, INC.
Subsidiary of San-Jirushi Corp.
3236 Blvd., Colonial Heights, VA 23834,
Ph. 804-520-1513.
CONTACT: Michael Fountain, VP
SAN-J TAMARI soy sauce.

A.E. STALEY MFG. CO. ★
2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AE STALEY);
TWX: 910-243-0459 (AE STALEY).
CONTACT: D.L. Camerer, Natl. Sls. Mgr.
STALEY soy sauce.

FEDERAL REPUBLIC OF GERMANY

WESTDEUTSCHE
NAHRUNGSMITTEL-WERKE GmbH ★
Muschenerstrasse 8, Postfach 1150,
4518 Bad Laer 1, Ph. 9078; TLX: 94311.
EDEN SOJA-FERTIGGERICHTE soy sauce.

INDONESIA

P.T. INKENAS AGUNG ★
Pulo Kambing II, 20 Industrial Estate
Pulogadung, Jakarta-Timur, Ph. 487037.
CONTACT: I. Wibisono, Dir.
KECAP MAYA soy sauce.

PERUSAHAAN KECAP CAP BANGO ★
Jl. KHA Wahid Hasyim 177, Jakarta 10240,
Ph. 336323, 540376 or 544236.
CONTACT: Eppy Kartadinata, Dir.
BANGO soy sauce.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104,
Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
MIEKI soy sauce.

KOREA

SAMPYO FOODS CO., LTD. ★
647-2 Chang-Dong, Dobong-Ku, Seoul,
Ph. 992-7111.
CONTACT: Wan Sik Kim, Mgr. Dir.
Soy sauce.

NETHERLANDS

FA. L.I. FRANK: FRANK SOYA ★
Oude Rijksstraatweg 36, P.O. Box 46,
Twello 7390AA, Ph. 2141 or 2131;
TLX: 49350 (FRANK NL).
CONTACT: C. V. Miedendorp de Bie
Soy sauce.

SINGAPORE

YEO HIAP SENG LTD. ★
950 Dunearn Rd., Singapore 2158, Ph. 44662266;
TLX: 22143 (YHSL RS). Other locations:
Petaling Jaya and Shah Alam, Selangor; Jawa
Barat, Indonesia; Johore Bahru.
CONTACT: Joseph Yeo
YEO's soy sauce.

TAIWAN

PRESIDENT ENTERPRISES CORP. ★
301, Chung-cheng Rd., Yan Harng, Yungkang,
Taipei 711, Ph. 532121; ; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Exec. VP
Soy sauce.

WAN JIA SHIAN BREWERY CO. LTD. ★
80-1, Hope St., Sun Chung City, Taipei,
Ph. 985-1282; TLX: 25852 (JOYTW).
CONTACT: Jen-Chun Wu, Pres.
WAN JA SHAN soy sauce.

TOFU AND TEMPEH

UNITED STATES

AZUMAYA, INC.
1575 Burke Ave., San Francisco, CA 94124,
Ph. 415-285-8500.
CONTACT: Wiliam Mizono, VP-Sec.
Tofu.

DAIRYLAND PRODUCTS INC.
5345 W. 125th St., Savage, MN 55378,
Ph. 612-890-5305.
CONTACT: Thomas C. Sando, Pres.
MELOTEIN soy dairy.

HOUSE FOODS & YAMAUCHI, INC. ★
526 Stanford Ave., Los Angeles, CA 90013,
Ph. 213-624-3615.
CONTACT: Phyllis Friar
HINOICHI tofu and tempeh.

LEGUME, INC. ★
170 Change Bridge Rd., Montville, NJ 07045,
Ph. 201-882-9190.
CONTACT: Gary Barat
LEGUME tofu and tempeh.

LUCAS MEYER INC.
765 E. Pythian Ave., Decatur, IL 62526,
Ph. 217-875-3660; TLX: 404387.
CONTACT: Matthew J. Andrick, Prod. Mgr.
Tofu.

MILLER SOY
Rt. 2, Box 208B, Greenbrier, TN 37115,
Ph. 615-643-7506.
CONTACT: Harry Miller, Pres.

NOMURA TOFU CO., INC. ★
2904 W. Fullerton Ave., Chicago, IL 60616,
Ph. 312-486-7225.
CONTACT: William Woo, Pres.
NOMURA tofu.

QUONG HOP & COMPANY ★
161 Beacon St., South San Francisco, CA 94080,
Ph. 415-761-2022 or 873-4444.
CONTACT: Jim Miller, Stanley Lee or Benwade Lee
QUONG HOP, SOY DELI and PACIFIC tempeh.

TOKYO FOOD PROCESSING CORP.
40 Varick Ave., Brooklyn, NY 11237,
Ph. 212-456-8884.
CONTACT: Keiji Shirata, VP
Tofu.

TOMSUN FOODS, INC. ★
305 Wells St., Greenfield, MA 01301,
Ph. 413-772-0746 or 774-3141.
CONTACT: Robert Clark
TOMSUN tofu.

WY KY INC.
235-237 San Fernando Rd., Los Angeles, CA 90031, Ph. 213-222-0779.
CONTACT: William Lee, Pres.
WY KY tofu.

BELGIUM

DE HOBBIT ★
Waterstraat 4, 9980 St. Laureins,
Ph. 799622.
CONTACT: Eric Dewilde, Gen. Mgr.
Tempeh.

CANADA

COUNTRY COTTAGE FOODS
R.R. 1, Ohaton, Alberta TOB 3PO,
Ph. 403-672-6382.
CONTACT: Mabel Pointkoski
Tofu.

ENGLAND

CAULDRON FOODS LTD. ★
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Ph. 554780.
CONTACT: D. Marshall or P. Fagan
Tofu and tempeh.

ITONA PRODUCTS LTD. ★
Itona Works, Leyland Mill Lane, Wigan,
Lancashire WN1 2SB, Ph. 34761.
CONTACT: D. J. Hampson
ITONA tofu.

HONG KONG

FOODPAK LTD. ★
16F Watson Centre, 16-22 Kung Yip St.,
Kwai Chung, N.T., Ph. 276951;
TLX: 35672 (DSGHK HX).
CONTACT: Patrick K.Y. Tsang
PAK FOOK tofu and tempeh.

KOREA

DR. CHUNG'S FOODS COMPANY
Insong Bldg. 18A, 194-15, 1-Ka, Hoehyun-Dong,
Choon-Ku, Seoul, Ph. 777-7421.
CONTACT: Chung Sung Soo, VP
WOOREAN soy dairy.

DONG-A FOODS CO., LTD.
450-1 Suksoo-Dong, Anyang-City, Kyung Ki-Do,
Ph. 855-6711; TLX: 28359 (DONGACO).
CONTACT: I.S. Park, Mgr. Dir.
SUN DEW soy dairy.

NETHERLANDS

MANNA NATUURVOEDING B.V. ★
Weerenweg 28, 1161AJ Zwanenburg,
Ph. 072250; TLX: 10810.
MANNA tofu and tempeh.

SOLNUTS B.V. ★
Swaardvenstraat 41, P.O. Box 5066, 5048 AV
Tilburg, Ph. 684991; TLX: 52654 (SOLNU NL).
CONTACT: H. Stolk
Tofu; flavored soybean curd, tofu ice cream.

SINGAPORE

FRASER & NEAVE (Singapore) Pte. Ltd. ★
475 River Valley Rd., Singapore 1024,
Ph. 63022; TLX: 21687 (REDLION).
CONTACT: Khoo Hock Seng, Prod. Dev. Mgr.
HUI MING tofu and tempeh.

SPAIN

ZVAITO ★
Calle Diputacion 5° Piso, Calle Correria 39 Bajo, Vitoria-Gasteiz 01001, Ph. 288630.
CONTACT: Javier Arocena Aramburo
REQUESON DE SOJA soybean curds.

SWITZERLAND

GALACTINA LTD. ★
Birkenweg 1-6, Belp CH-3123, Ph. 81111; TLX: 911658 (GABI CH).
CONTACT: P. Speck
GALACTINA tofu.

SOJALADE
Dorfplatz, Ottenbach 8913, Ph. 769-0349.
CONTACT: Gauthier W. Loeffler
SOJALADA tofu.

OTHER SOY-BASED FOODS

UNITED STATES

AG PROCESSING INC ★
11235 Davenport St., Suite 103, Omaha, NE 68151, Ph. 402-334-8010.
Soy flour mixes.

AMERICAN LECITHIN CO. INC. ★
P.O. Box 4056, Atlanta, GA 30302, Ph. 404-522-7060; TLX: 261318 (AMAD)
Soy flour mixes.

BEST FOODS DIVISION
CPC International Inc.
International Plaza, Englewood Cliffs, NJ 07632, Ph. 201-894-4000. Plants at: San Francisco and Santa Fe Springs, CA; Chicago, IL; Bayonne, NJ.
Frozen desserts.

CREAM OF THE BEAN, INC. ★
East Suite, 3973 Grove Ave., Gurnee, IL 60031, Ph. 312-623-4114.
CONTACT: Stuart Doblin
CREAM OF THE BEAN soy yogurt.

DAIRYLAND PRODUCTS
5345 W. 125th St., Savage, MN 55378, Ph. 612-890-5305.
CONTACT: Thomas C. Sando, Pres.
MELOTEIN soy flour mix.

DURKEE FOODS DIVISION ★
SCM Corporation
925 Euclid Ave., Cleveland, OH 44115, Ph. 216-344-8000; TLX: 985325 (GLIDDEN CLV)
CONTACT: C. E. Land, Jr. (216-344-8312)
KAOLA, WHITE CREST and POLYPLUS D frozen desserts.

FARM FOODS ★
632 Radcliffe Ave., Pacific Palisades, CA 90272, Ph. 213-459-9251.
CONTACT: Robert Tepper, VP Mktg. & Sales
ICE BEAN, tofu ice cream.

FEARN NATURAL FOODS
Division of Richard Foods Corp.
4520 James Pl., Melrose Park, IL 60160, Ph. 312-345-2335.
CONTACT: Mike Hyman, Natl. Sales Mgr.
FEARN'S hot cereals, FEARN'S soy flour mixes.

FREEDOM FARMS, INC. ★
Hwy. 4, So., P.O. Box 522, Emmetsburg, IA 50536, Ph. 712-852-3931.
CONTACT: Kirk Stauss, Pres.
FREEDOM FARMS snack chips.

GLOBAL NUTRAMEAL, INC. ★
R.R. Box 6122, Spirit Lake, IA 51360, Ph. 712-337-3376.
CONTACT: Kirk Stauss, Pres.
Chips.

GRIFFITH LABORATORIES ★
12200 S. Central Ave., Alsip, IL 60658, Ph. 312-371-0900.
CONTACT: Wayne Pruiett, Mgr. Protein Products
PRO-BLEND soy flour mix.

MENU MAGIC FOODS ★
Division of North American Laboratory, Inc.
1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
CONTACT: C. R. Lewis, Reg. Sls. Mgr.
MENU MAGIC foods.

PENGUINO'S, INC. ★
192 Hillside Ave., Rochester, NY 14610, Ph. 716-442-7011.
CONTACT: Miriam Phalen, Pres.
PENGUINO'S frozen dessert.

QUONG HOP & CO. ★
161 Beacon St., South San Francisco, CA 94080, Ph. 415-873-4444 or 415-761-2022.
CONTACT: Jill Miller, Stanley Lee or Benwade Lee
NEW LEAF soyfoods.

TOFU-TIME INC.
1640 63rd St., Brooklyn, NY 11204, Ph. 212-232-1031. Other plants: West Caldwell and Long Valley, NJ.
CONTACT: Richard Alberti, Exec. VP
Breakfast foods, desserts and snacks.

WORTHINGTON FOODS, INC. ★
900 Proprietors Rd., Worthington, OH 43085, Ph. 614-885-9511.
CONTACT: Frank Poston, Mktg. Dir.
Soyfoods.

WY KY INC.
235-237 San Fernando Rd., Los Angeles, CA 90031, Ph. 213-222-0799.
CONTACT: William Lee, Pres.
WY KY breakfast foods, desserts and snacks.

BRAZIL

MINASA
Caixa Postal 1101, Campinas, SP 13000,
Ph. 421966; TLX: 019-1043 (MINA BR)
CONTACT: John B. Sieh, Gen. Mgr.
Breakfast foods, desserts and snacks.

ECUADOR

PRIMEROS HIDROGENADOS de ACEITES y GRASAS ECUATORIANAS S.A. (PHIDAYGESA)
Km. 16½, Via a Daule, Gauyaquil, Ph. 351555;
TLX: 04-3506 (PHIDAY)
CONTACT: Emilio Baquerizo V., Pres.
UNICA, BRILLANTE, ASTRA, ESPECIAL
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ENGLAND

THE BRITISH ARKADY CO. LTD. ★
Affiliate of Archer Daniels Midland Co., Decatur, IL, USA
Old Trafford, Manchester M16 ONJ,
Ph. 872-7161; TLX: 668488 (ARKADY G)
CONTACT: W. Pringle, Sales Dir.
Soy flour mixes.

ITONA PRODUCTS LTD. ★
Itona Works, Leyland Mill Lane, Wigan,
Lancashire WN1 2SB, Ph. 34761.
CONTACT: D. J. Hampson
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CONTACT: P. Blacklin, Exp. Mgr.
TRUSOY and BREDSOY flour mixes.

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EDELSOYA GmbH ★
Division of Lucas Meyer GmbH & Co.
Ausschlager Elbdeich 62, 2000 Hamburg 28,
Ph. 781710; TLX: 2163220 (MYR D).
CONTACT: Karl-Otto Tielker
NURUPAN flakes.

INDIA

JINDAL SOLVENT EXTRACTIONS
Kashipur 244713, Ph. 270 or 292.
CONTACT: Devendra Kumar Agrawal
Breakfast foods, desserts and snacks.

PRESTIGE FOODS PVT. LTD. ★
30, Jaora Compound, M.Y.H. Rd.,
Indore 452001, M.P., Ph. 4633, 21725 or 34014;
TLX: 0735205 (PFM IN).
CONTACT: Davish Jain, Dir.
PRESTIGE breakfast foods, desserts and snacks.

MEXICO

ACEITA CASA S.A.
Ave. Ceylon, No. 793, Col. Industrial Vellejo;
Ph. 5049 or 9322; TLX: 177-1716 (CASA ME)
CONTACT: Enrico Cusi, owner
Soy flour mixes.

ALIMENTOS COLPAC
Km 13 Carratera Huatabampo, Apartado No. 502,
Navojoa, Sonora, CP85C0, Ph. 24130.
CONTACT: Filberto Verduzco Avila, Gen. Mgr.
TRISOY cereal.

FABRICA DE ACEITES LA CENTRAL S.A.
Industrias Gonzales, Escobedo Sur No. 740,
Guadalajara, Jalisco, Ph. 350046; TLX: 0681763.
CONTACT: Daniel Sada A., Mgr.

INDUSTRIAL DE ALIMENTOS S.A.
Poniente 146 No. 789, Co. Industrial Vallejo,
Deleg. Azcapotzalco 02300, D.F.,
Ph. 5674022 or 567475.
CONTACT: Felipe Suberbie, Gen. Mgr.
Breakfast foods.

PRODUCTOS ALIMENTICIOS DELICIAS S.A.
Apartado Postal 376, Zona Industrial Oriente,
Cuidad Delicias, Chih., Ph. 23093.
CONTACT: Joaquin Ponce Aguirre, Gen. Mgr.
Soy-oat and soy-corn mixes and Peanut-Soy-Sugar snack.

PHILIPPINES

UNIVERSAL ROBINA CORPORATION
E. Rodriguez Ave., Pasig, Metro Manila,
Ph. 673-7541, 60-2259 or 673-7523;
TLX: 63828 or 43125 (CFCURC PM)
CONTACT: Henry L. Go, Sr. VP
Breakfast foods, desserts and snacks.

SOUTH AFRICA

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159 Watt Rd., Pretoria 0002, Ph. 79750;
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CONTACT: F. W. Lehmann, PD & QA Controller
Soy flour mixes, breakfast foods, desserts and snacks.

TIGER PROTEIN INDUSTRIES PTY. LTD. ★
P.O. Box 575, Fedler Street Extension,
Randfontein 1760, Transvaal, Ph. 693-4231;
TLX: 420568.
CONTACT: David Bailie (678-4506)
Soy flour mixes.

VENEZUELA

DESGERMINADORA CARABOBO S.A. ★
Ave. Eugenio Mendoza El Morro, Valencia,
Edo. Carabobo, Ph. 331666, TLX: 25235.
CONTACT: Oscar Ibarra, Pres.
MAISOIA, corn-soy flour mix.

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INDUSTRIAL LECITHIN

UNITED STATES

AG PROCESSING INC★
P.O. Box 85, Eagle Grove, IA 50533,
Ph. 515-448-4711; TLX: 467762;
Main office: Omaha, NE.
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AG PROCESSING INC★
P.O. Box 200, Sergeant Bluff, IA 51054,
Ph. 712-943-4282; TLX: 750450;
TWX: 910-997-0393. Main office: Omaha, NE.
Industrial lecithin.

AG PROCESSING INC★
P.O. Box 427, St. Joseph, MO 64502,
Ph. 816-233-6161; TLX: 750448;
TWX: 910-997-0391. Main office: Omaha, NE.
Industrial lecithin.

ARCHER DANIELS MIDLAND CO.★
4666 Faries Parkway, Decatur, IL 62525,
Ph. 217-424-5200; TLX: 250121 (ADM CO DTR);
TWX: 910-243-0698 (ADM DECATUR).
CONTACT: James Stowell
Industrial lecithin.

CENTRAL SOYA COMPANY, INC.★
1300 Fort Wayne Bank Bldg., P.O. Box 1400,
Fort Wayne, IN 46801-1400, Ph. 219-425-5100;
TLX: 027610 (CENSOYA FWA A).
CONTACT: Ted R. Sadler (219-425-5141)
Industrial lecithin.

W.A. CLEARY CORPORATION★
1049 Somerset St., P.O. Box 10,
Somerset, NJ 08873, Ph. 201-247-8000.
CONTACT: Margaret A. Cleary
Industrial lecithin.

HONEYMEAD PRODUCTS CO.★
720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507-625-7911;
TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Dave Schostag
Industrial lecithin.

LUCAS MEYER INC.
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CONTACT: George M. Volpe, VP
Industrial lecithin.

QUINCY SOYBEAN CO. ★
Hwy. 20 S., P.O. Box 70, Helena, AR 72342,
Ph. 501-338-6481; TLX: 404421 (QCYSOYBEAN QUI). Main office: Quincy, IL.
CONTACT: Richard P. Schuering
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TWX: 710-522-1810 (SPENKELSON).
CONTACT: Robert J. Ray, Gen. Sls. Mgr.
Industrial lecithin.

A.E. STALEY MFG. CO. ★
2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AT STALEY);
TWX: 910-243-0459 (AE STALEY).
CONTACT: Lecithin Dept.
STASOL lecithin.

ARGENTINA

INDO S.A.
Reconquista 458, Piso 15°, Buenos Aires 1358,
Ph. 394-1900 or 394-1005;
TLX: 9105 (LAPCE AR).
CONTACT: Fernando Speroni, Asst. Trader
Industrial lecithin.

BRAZIL

INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) ★
Ave. Borges de Medeiros 659 – 12th Flr.,
Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR);
CONTACT: Stefan Wenzel, Dir.
Industrial lecithin.

INDUSTRIAS J.B. DUARTE S.A. ★
Rua dos Patriotas, 1382 Ipiranga, Sao Paulo,
04207, Ph. 274-8211; TLX: 21226, 33172 or 36622 (IJBD BR).
CONTACT: Archimedes Jorge Cortellazzi
Industrial lecithin.

MIRACEMA NUODEX S.A. INDUSTRIAS QUIMICAS ★
Rodivia Santos Dumont, Km. 4, 125,
P.O. Box 719, Campinas 13100, Ph. 47-5700;
TLX: 1201 (MIRA BR).
CONTACT: Otto Rohr, Pres.
Industrial lecithin.

CANADA

CANADIAN VEGETABLE OIL PROCESSING ★
Div. Canada Packers, Inc.
Burlington & Victoria Sts., P.O. Box 618,
Station A, Hamilton, Ontario, L8N 3K7,
Ph. 416-527-9121; TLX: 0618315 (CVOP HAM)
CONTACT: B. Sandal
Industrial lecithin.

MAPLE LEAF MONARCH CO. ★
Affiliate of Maple Leaf Mills, Ltd. and Lever Brothers, Ltd., Toronto
365 Evans Ave., Toronto, Ont. M8Z 5W7,
Ph. 416-252-5551;
TLX: 06-984560 (MLMONARCH TOR)
CONTACT: Be Nijhuis, Indus. Oil Mgr.
Industrial lecithin.

VICTORY SOYA MILLS LTD. ★
Division of Central Soya Company, Inc. Ft. Wayne, IN, USA
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL)
CONTACT: C. M. Davis, Mgr. Commodity Oper.
Industrial lecithin.

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali,
Ph. 422035 or 422641; TLX: 055706.
CONTACT: Luis Santamaria, Admin.
Industrial lecithin.

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aero 85, Buga,
Valle, Ph. 72021; TLX: 5866 (GRASA CO).
CONTACT: Guillermo Restrepo, Comm. Mgr.
Industrial lecithin.

GRASAS VEGETALES S.A. (GRAVETAL) ★
Apartado Aero 5002, Medellin; Ph. 880711 or 880320; TLX: 66797 (GVTAL CO).
CONTACT: Carlos Zuluaga, Mktg. & Sls. Mgr.
Industrial lecithin.

DENMARK

DANSK SOJAKAGEFABRIK ApS ★
24, Islands Brygge, DK-2300 Copenhagen S, Pn. 54660; TLX: 31313 (DASOY DK).
CONTACT: S. Kjeldsen
Industrial lecithin.

ECUADOR

FABRICA DE ACEITES LA FAVORITA S.A. ★
P.O. Box 486, Guayaquil, Ph. 402840, TLX: 043174 (JARITA ED).
CONTACT: Xavier Vallerino, Pres.
Industrial lecithin.

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LUCAS MEYER GmbH & CO. ★
Ausschlaeger Elbdeich 62, 2000 Hamburg 28, Ph. 781701; TLX: 2163200 (MYR D).
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Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Postfach 90 14 40, D-2100 Hamburg 90, Ph. 771240; TLX: 217678 (TORL D)
CONTACT: N. Schrakamp, Plant Mgr. (or Mr. Kleinebenne, Unimills, 3490-2671)
Industrial lecithin.

UNIMILLS ★
Division of Union Deutsche Lebensmittelwerke GmbH
MAIN OFFICE: Dammtorwall 15, Unileverhaus P.O. Box 101509, D-2000 Hamburg 36, Ph. 34901; TLX: 214571 (UMIL D).
CONTACT: John Le Pla
Industrial lecithin.

VEREIN DEUTSCHER OELFABRIKEN ★
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Bonadiesstrasse 3-5, P.O. Box 2511, 6800 Mannheim 1, Ph. 37040; TLX: 0463031.
CONTACT: Unimills, Hamburg
Industrial lecithin.

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OLJYNPURISTAMO OY ★
P.O. Box 15, SF-00811 Helsinki, Ph. 780155, TLX: 121518 (OILML SF).
CONTACT: P. Karri, Mktg. Dir.
Industrial lecithin.

GERMAN DEMOCRATIC REPUBLIC

VEB KOMBINAT OEL UND MARGARINE ★
Berliner Chaussee 66, DDR-3014 Magdeburg, Ph. 5870; TLX: 08247.
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HAITI

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Industrial lecithin.

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CONTACT: Davish Jain, Dir.
Industrial lecithin.

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TLX: 560035 (ICIC A) - 560866 (ICIC B).
CONTACT: Fabio Russo, Asst. Gen. Mgr.
Industrial lecithin.

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TLX: 500053; CABLE: GIAMIX.
CONTACT: Erminio Cipolla, Plant Mgr.
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CONTACT: Paolo Domenichini, Admn.
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JAPAN

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CONTACT: T. Okumori, Plant Mgr.
Industrial lecithin.

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Subsidiary of Ajinomoto Co. Inc., Tokyo
230-ban Shinminato, Chiba-Shi 260, Tokyo,
Ph. 411251.
CONTACT: N. Tachikawa, Supt. or Oil Dept.,
Ajinomoto Co., Inc.
Industrial lecithin.

MEXICO

ACEITERA MATAMOROS, S.A. DE C.V.
Ave. Uniones S/N, Zona Industrial,
H. Matamoros, Tamaulipas, C.P. 87310,
Ph. 38942, 38943 or 38959;
TLX: 35016 (AMAT ME).
CONTACT: Pablo R. Penaloza, Mgr.
Industrial lecithin.

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Ph. 41907 or 51667.
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
Industrial lecithin.

LA POLAR
Av. Manuel Gonzalez 165, Mexico 3, D.F.,
Ph. 5833845; TLX: 1772498 (POLA ME).
CONTACT: Diego Gutierrez, Pres.
Industrial lecithin.

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A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50;
TLX: 71181; Plant at: Fredrikstad.
CONTACT: Arild Hemstad
Industrial lecithin.

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Ph. 2796300.
CONTACT: Jan Van Kesteren
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Ph. 496511; TLX: 32753.
CONTACT: Juan Leguina, Sls. Mgr.
Industrial lecithin.

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CONTACT: H.Y. Wang, Y.K. Hung or Wu-Hsiung Lin
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Taipei 711, Ph. 532121; TLX: 71348 (PRESIT).
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Fort Wayne, IN 46801-1400, Ph. 219-425-5100;
TLX: 027610 (CENSOYA FWA A).
CONTACT: Ted Sadler (219-425-5141)
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CONTACT: Margaret A. Cleary
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720 Minneopa Rd., P.O. Box 3247,
Mankato, MN 56002, Ph. 507-625-7911;
TLX: 290867 (HONEYMEAD MAKO).
CONTACT: Ed Senska
Industrial soy flour.

LUCAS MEYER INC.
765 E. Pythian Ave., Decatur, IL 62526,
Ph. 217-875-3660; TLX: 404387.
CONTACT: Matthew J. Andrick, Prod. Mgr.
Industrial soy flour.

NIBLACK FOODS, INC. ★
22 Flint St., Rochester, NY 14608-2819,
Ph. 716-328-5745.
CONTACT: Doug Niblack
Industrial soy flour/soy protein.

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2200 Eldorado St., P.O. Box 151,
Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AT STALEY);
TWX: 910-243-0459 (AE STALEY).
CONTACT: F. E. Janes
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CONTACT: Hans Hajo Grun, Comm. Dir.
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Ave. Borges de Medeiros 659 – 12th Flr.,
Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR);
CONTACT: Stefan Wenzel, Dir.
Industrial soy flour.

CANADA

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333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL).
CONTACT: C. M. Davis, Mgr. Commodity Oper.
Industrial soy flour.

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carerra 1B, No. 47-12; Cali,
Ph. 422035 or 422641; TLX: 055706.
CONTACT: Luis Santamaria, Admin.
Industrial soy flour.

FEDERAL REPUBLIC OF GERMANY

EDELSOJA GmbH ★
Division of Lucas Meyer GmbH & Co.
Ausschlaeger Elbdeich 62, 2000 Hamburg 28,
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CONTACT: Karl-Otto Tielker
Industrial soy flour/protein.

FINLAND

RAISION TEHTAAT
Oy Kasviojy-Vaxtolje AB
SF-21200 Raisio, Ph. 780311;
TLX: 62140 (RAUL SF).
CONTACT: Heikki Siintola, Mgr.
Foreign Dept.
Industrial soy flour.

HAITI

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P.O. Box 13460, Delmas, Port au Prince,
Ph. 20444 or 28202; TLX: 2030438 (SODEXOL).
CONTACT: Eliezer Bashan.
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INDIA

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CONTACT: Vijay Kumar Jindal
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TLX: 564202 (PRAGMILLS ALG)
CONTACT: S. N. Agarwal
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TLX: 735 205 (PFM IN);
CONTACT: Davish Jain, Dir.
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TLX: 735349 (VSEI IN).
CONTACT: S. Ali-Khan
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ISRAEL

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P.O. Box 193, PetahTikva, 49101, Ph. 9227171;
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CONTACT: P. Naor, Plant Mgr.
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TLX: 500053; CABLE: GIAMIX.
CONTACT: Erminio Cipolla, Plant Mgr.
Industrial soy flour.

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CONTACT: T. Okumori, Plant Mgr.
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TLX: 27334 (DBCORP);
CONTACT: Jang Hong Yoo, Dir.
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GALLETERA MEXICANA S.A. (GAMESA)
Apdo. Postal 871, Ciudad Obregon, Sonora,
Ph. 41907 or 51667.
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
Industrial soy flour.

INDUSTRIAL DE ALIMENTOS S.A.
Poniente 146 No. 789, Col. Industrial Vallejo,
Deleg. Azcapotzalco, 02300, D.F.,
Ph. 5674022 or 5679475.
CONTACT: Felipe Suberbie, Gen. Mgr.
Industrial soy flour.

LA POLAR
Av. Manuel Gonzalez 165, Mexico 3, D.F.,
Ph. 5833845; TLX: 1772498 (POLA ME).
CONTACT: Diego Gutierrez, Pres.
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CONTACT: A. Gerber, Tech. Dir.
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CONTACT: Juan Leguina, Sls. Mgr.
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CONTACT: James Stowell
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CENTRAL SOYA COMPANY INC. ★
1300 Fort Wayne Bank Bldg., P.O. Box 1400,
Fort Wayne, IN 46801-1400, Ph. 219-425-5100;
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CONTACT: Chuck Schmidt (219-425-5744)
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CONTACT: Margaret A. Cleary
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TWX: 710-522-1810 (SPENKELSON).
CONTACT: Robert J. Ray,
Gen. Sls. Mgr.
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Decatur, IL 62525, Ph. 217-423-4411;
TLX: 250113 (AE STALEY);
TWX: 910-243-0459 (AE STALEY).
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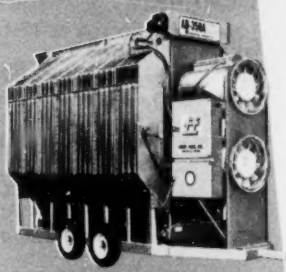
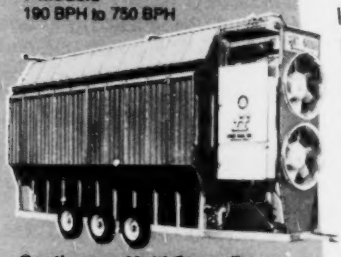


Automatic Batch Dryers –
7 Models
190 BPH to 750 BPH



Continuous Multi-Stage Dryers –
5 Models
690 BPH to 3020 BPH

ONE Company
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TWO Dryer Lines
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THREE Reasons for drying
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If you could benefit from the money-making advantage of owning or leasing a grain dryer, or if you're thinking about up-grading your present system — call us today!

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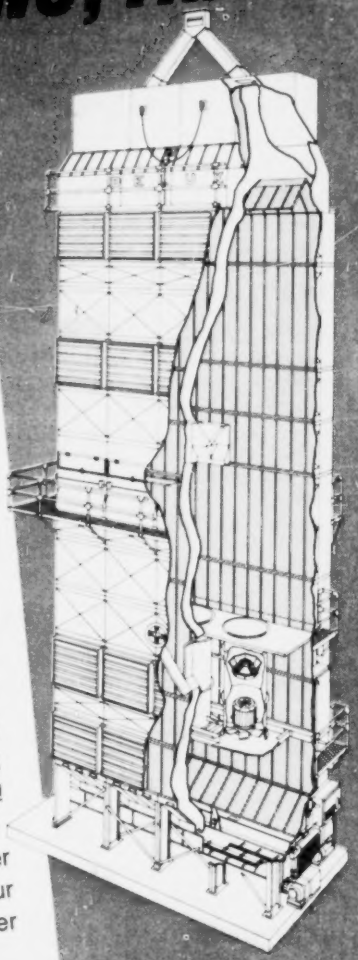

DELUX
Continuous Flow Dryers
8 models up to 5,000 BPH

FARM FANS
5900 Elmwood Ave.
Indianapolis, IN 46203

DELUX
1-800-556-5900, (Ind.) 1-800-226-0813
TELEX: 883329

BELGIUM

SCALDISWERKEN RUIEN N.V. ★
6 Avelgemstraat, B9690 Kluisbergen,
Ph. 388412 or 388413.
CONTACT: Maurice Windels
Industrial soy oil for adhesives/coatings, paints & varnishes.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO ★
Rua Enxovia 423, Santo Amaro, Sao Paulo 04711, Ph. 548-5500; TLX: 22597 (BWEY BR).
CONTACT: Liu Shun Ku, Exec. Dir.
Industrial soy oil for adhesives/coatings, paints & varnishes, soaps.

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) ★
Praca Osvaldo Cruz 15-16°, Porto Alegre, RS, 90000, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
Industrial soy oil for soaps.

INDUSTRIA GAUCHA DE FARELOS E OLEOS S.A. (FAROL) ★
Av. Borges de Medeiros 659 - 12th Flr.,
Porto Alegre, RGS, 90000, Ph. 217799;
TLX: 051-1732 (STEF BR);
CONTACT: Stefan Wenzel, Dir.
Industrial soy oil for adhesives/coatings, paints & varnishes.

INDUSTRIAS J.B. DUARTE S.A. ★
Rua dos Patriotas, 1382 Ipiranga,
Sao Paulo, 04207, Ph. 274-8211,
TLX: 21226, 33172 or 36622 (IJBD BR).
CONTACT: Archimedes Jorge Cortellazzi
Industrial soy oil for adhesives/coatings, paints & varnishes, pesticides and soaps.

MIRACEMA NUODEX S.A. INDUSTRIAS QUIMICAS ★
Rodovia Santos Dumont, Km 4, 125,
P.O. Box 719, Campinas 13100, Ph. 47-5700;
TLX: 1201 (MIRA BR).
CONTACT: Otto Rohr, Pres.
Hydrogenated and industrial soy oil for paints & varnishes.

REFINADORA DE OLEOS BRASIL S.A.
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr.,
Sao Paulo, S.P., 01311, Ph. 287-3122;
TLX: 32042 (NEVA BR) and 23827 (ROBR BR);
CONTACT: C.A. Walter or J.P. Mayor
Industrial soy oil.

CANADA

MAPLE LEAF MONARCH CO. ★
Affiliate of Maple Leaf Mills, Ltd., and Lever Brothers, Ltd., Toronto
365 Evans Ave., Toronto, Ont. M8Z 5W7,
Ph. 416-252-5551;
TLX: 06-984560, (MLMONARCH TOR)
CONTACT: Be Nijhuis, Indus. Oil Mgr.
Industrial soy oil for adhesives/coatings, paints & varnishes, pesticides and soaps.

VICTORY SOYA MILLS LTD. ★
Division of Central Soya Company, Inc. Ft. Wayne, IN, USA
333 Lake Shore Blvd. E., Toronto, Ont. M5A 1C2,
Ph. 416-363-8771; TLX: 219812 (VICSOYMIL).
CONTACT: C. M. Davis, Mgr. Commodity Oper.
Industrial soy oil for adhesives/coatings and paints & varnishes.

COLOMBIA

LA AMERICANA GRASAS Y ACEITES COMESTIBLES S.A.
Carrera 1B, No. 47-12, Cali,
Ph. 422035 or 422641; TLX: 055706.
CONTACT: Luis Santamaria, Admin.
Industrial soy oil.

FAGRAVE S.A.
Via 40 #53B-71, Barranquilla,
Ph. 316120; TLX: 33115 (AA2289).
CONTACT: Eduardo Rosas, Plt. Mgr.
Industrial soy oil.

DENMARK

DANSK SOJAKAGEFABRIK ApS ★
24, Islands Brygge, DK-2300 Copenhagen S,
Ph. 546600; TLX: 31313 (DASOY DK).
CONTACT: S. Kjeldsen
Industrial soy oil for adhesives/coatings, paints & varnishes, pesticides and soaps.

ECUADOR

FABRICA DE ACEITES LA FAVORITA S.A. ★
P.O. Box 486, Guayaquil, Ph. 402840;
TLX: 043174 (JARITA ED).
CONTACT: Xavier Vallarino, Pres.
Industrial soy oil for adhesives/coatings, paints & varnishes, soaps.

INDUSTRIAS ALES C.A. ★
Caracas 138 y Salinas, P.O. Box A-4616, Quito,
Ph. 230376; TLX: 2198 (ALESCA ED).
CONTACT: Patricio Alvarez, Gen. Mgr.
Industrial soy oil for paints & varnishes.

ENGLAND

BOCM SILCOCK LTD. ★
BOCM House, Basing View, Basingstoke,
Hampshire RG21 2EQ, Ph. 29211;
TLX: 858429 (BSHO G).
CONTACT: P. Conneily
Industrial soy oil for paints & varnishes.

SAMUEL BANNER & COMPANY LTD. ★
59/61 Sandhills Lane, Liverpool L5 9XL,
Ph. 922-7871; TLX: 627025 (BANNER G).

CONTACT: C. J. Newman, Dir.
Industrial soy oil for adhesives/coatings, paints & varnishes, pesticides and soaps.

FEDERAL REPUBLIC OF GERMANY

LUCAS MEYER GmbH & CO. ★
Ausschlaeger Elbdeich 62, 2000 Hamburg 28,
Ph. 781701; TLX: 2163200 (MYR D).
CONTACT: Jens Heiser
Industrial soy oil for adhesives/coatings, paints & varnishes, soaps.

OELWERKE NOURY & VAN DER LANDE GmbH ★
Industriestrasse 10, P.O. Box 1540,
4240 Emmerich/Rhein, Ph. 02822-741;
TLX: 8125203 (NVL D).
CONTACT: F. Kielman, Sls. Mgr.
Industrial soy oil for adhesives, coatings, paints & varnishes.

F. THORL'S VEREINIGTE HARBURGER OELFABRIKEN ★
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Postfach 90 14 40, D-2100 Hamburg 90,
Ph. 771240; TLX: 217678 (TORL D)
CONTACT: N. Schrakamp, Plant Mgr. (or Mr. Kleinebenne, Unimills, 3490-2671)
Industrial soy oil for paints & varnishes.

UNIMILLS ★
Division of Union Deutsche Lebensmittelwerke GmbH
MAIN OFFICE: Dammtorwall 15, Unileverhaus
P.O. Box 101509, D-2000 Hamburg 36, Ph. 34901;
TLX: 214571 (UMIL D).
CONTACT: John Le Pla
Industrial soy oil.

VEREIN DEUTSCHER OELFABRIKEN ★
Division of Union Deutsche Lebensmittelwerke GmbH, Hamburg
Bonadiesstrasse 3-5, P.O. Box 2511,
6800 Mannheim 1, Ph. 37040; TLX: 0463031.
CONTACT: Unimills, Hamburg
Industrial soy oil.

FINLAND

RAISION TEHTAAT
Oy Kasviojy-Vaxtolje AB
SF-21200 Raisio, Ph. 780311;
TLX: 62140 (RAUL SF).
CONTACT: Heikki Siintola, Mgr. Foreign Dept.
Industrial soy oil.

GERMAN DEMOCRATIC REPUBLIC

VEB KOMBINAT OEL UND MARGARINE ★
Berliner Chaussee 66, DDR-2014 Magdeburg,
Ph. 5870; TLX: 08247.
Industrial soy oil for adhesives/coatings and paints & varnishes.

INDIA

ALLANA OIL MILLS ★
Allana House, 4 Allana Rd., Colaba,
Bombay 400039, Ph. 243243 or 242030;
TLX: 11-3317 or 11-4849 (ALNA IN).
CONTACT: B. Mallik
Industrial soy oil for paints & varnishes.

GODREJ SOAPS LTD. ★
Pirojshanagar, Eastern Express Highway,
Vikhroli, Bombay, 400 079, Maharashtra,
Ph. 584461 or 586861; TLX: 11-71480 (AVIX IN).
CONTACT: N B. Godrej, Dir.
Industrial soy oil for soaps.

KALYAN SOLVENT EXTRACTION LTD. ★
53 Bajaj Bhavan, Nariman Point,
Bombay 400021, Ph. 202-4907 or 202-2087;
TLX: 011-3187 (MOON IN)
CONTACT: K. C. Barjatya, Mgr. Dir.
Industrial soy oil for soaps.

LIBERTY OIL MILLS PVT. LTD. ★
302, Dalamal House, 206 Nariman Point,
Bombay 400021, Maharashtra, Ph. 244445;
TLX: 011-6189 (LIBO IN).
CONTACT: Parvez H. Kader or A. R. Ganj
Industrial soy oil for paints & varnishes, soaps.

OSWAL AGRO MILLS LTD.
107-108 Padma Tower-1, 5 Rajindra Place,
New Delhi 110008, Ph. 5715150, 5715317 or 5715103.
CONTACT: Abhey Kumar Oswal, Man. Dir. or K.L. Jain, Chief Exec.
Industrial soy oil.

VARDHMAN SOLVENT EXTRACTION INDUSTRIES LTD. ★
Subsidiary of Premier Vegetable Products, Ltd., Jaipur
Industrial Area, Mhow-Neemuch Rd.,
Jaora 457226, M.P., Ph. 446 or 461;
TLX: 735349 (VSEI IN).
CONTACT: S. Ali-Khan
Industrial soy oil for adhesives/coatings, paints & varnishes, pesticides and soaps.

ISRAEL

ETZ HAZAYITH LTD.
P.O. Box 193, PetahTikva, 49101, Ph. 9227171;
TLX: 341859 (ETZHL ILG).
CONTACT: P. Naor, Plant Mgr.
Industrial soy oil.

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv,
Ph. 242555; TLX: 33441 (OCEAN IL).
CONTACT: M. Mitelman, Dir.
Industrial soy oil.

TETH BETH LTD.
P.O. Box 147, Petah Tikva 49101,
Ph. 913191; TLX: 341962 (TB IL).
CONTACT: Ezra Berger, Mgr.
Industrial soy oil.

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC)
Molo Sud, Zona Industriale, Ancona,
Ph. 55771; TELEGRAPH: ICIC Ancona;
TLX: 560035 (ICIC A) - 560866 (ICIC B).
CONTACT: Fabio Russo, Asst. Gen. Mgr.
Industrial soy oil.

LIQUIFARM-GRUPPO
Industrie Alimentari S.p.A. In Amministrazione Straordinaria
Via L da Vinci 19, Livorno, Ph. 34731;
TLX: 500053; CABLE: GIAMIX.
CONTACT: Erminio Cipolla, Plant Mgr.
Industrial soy oil.

S.I.O. S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. 22 2571;
TLX: 510138 (CIO MO I).
CONTACT: Paolo Domenichini, Admn.
Industrial soy oil.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104,
Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
Industrial soy oil for paints & varnishes.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi,
Chiyoda-ku, Tokyo, Ph. 211-6511;
Industrial soy oil.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo,
Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
Industrial soy oil.

MEXICO

ACEITERA MATAMOROS S.A. DE C.V.
Av. Uniones S/N, Zona Industrial,
H. Matamoros, Tamaulipas, C.P. 87310,
Ph. 38942, 38943 or 38959;
TLX: 35016 (AMAT ME).
CONTACT: Pablo R. Penaloza, Mgr.
Industrial soy oil.

ACEITES Y DERIVADOS DEL PACIFICO, S.A. DE C.V.
Km. 2125, Carretera Hermosillo-Nogales,
Hermosillo, Sonora, Ph. 42215, TLX: 058854.
CONTACT: Jose L. Aguilar, Gen. Mgr.
Industrial soy oil.

FABRICA DE JABON LA CORONA S.A. DE C.V.
Apartado Postal 890, Zona Industrial No. 2,
Ciudad Obregon, Sonora 85000,
Ph. 34690; TLX: 552839 (FJCOBR).
CONTACT: Alfredo Garcia Serrato, Prod. Mgr.
Industrial soy oil.

INDUSTRIAL DE ALIMENTOS S.A.
Pontiente 146 No. 789, Col. Industrial Vallejo,
Deleg. Azcapotzalco, 02300, D.F.,
Ph. 5674022 or 5679475.
CONTACT: Felipe Suberbie, Gen. Mgr.
Industrial soy oil.

INDUSTRIAS CONASUPO S.A. DE C.V.
Subsidiary of Compania Nacional De Subsistencias Populares
Km. 11.5 Carretera A. San Luis R.C. Sonora,
Mexicali, Baja, California, Ph. 68761 AL 64;
TLX: 569802 (ICMX ME).
CONTACT: Ruben Parada, Comm. Dir.
Industrial soy oil.

LA PALMA S.A.
Sidar y Rovirosa, No. 158, Mexico 9 D.F.,
Ph. 20374.
CONTACT: P. Villarreal, Mgr.
Industrial soy oil.

LA POLAR
Av. Manuel Gonzales 165, Mexico 3, D.F.,
Ph. 5833845; TLX: 1772498 (POLA ME).
CONTACT: Diego Gutierrez, Pres.
Industrial soy oil.

NORWAY

A/S DE-NO-FA OG LILLEBORG FABRIKER
Sandakerveien 56, Oslo, Ph. 22-00-50;
TLX: 71181; Plant at: Fredrikstad.
CONTACT: Arild Hemstad.
Industrial soy oil.

PERU

SINDI S.A.
Av. Central 643-10° Pisa, San Isidro 11239,
Lima 14, Ph. 415283; TLX: 21187 (PE SINDI).
CONTACT: Cristobal Rosas Zorrilla, Gen. Mgr.
Industrial soy oil.

SINGAPORE

SIME DARBY EDIBLE PRODUCTS LTD. ★
255 Jalan Boon Lay, Jurong Town,
Singapore 2261, Ph. 264-3733 or 265-1833;
TLX: 24070 (SIMTRAD RS).
CONTACT: C.Y. Yap, Billy Tan or N.H. Tham.
Industrial soy oil for adhesives/coatings and for paints & varnishes.

TAIWAN

HUI SHUNG SOLVENT OIL CO. LTD. ★
5F, 21 Sec. 1, Chang An E. Rd., Taipei,
Ph. 581-1515, 581-1516 or 581-1517.
CONTACT: W. K. Wang, Chairman.
Industrial soy oil for paints & varnishes.

THAILAND

NAKORNCHAISRI OIL INDUSTRIAL CO. LTD. ★
829-835 Opp. Taladplu Railway Station,
Dhonburi, Bangkok 10600.

Ph. 465-0971, 466-3082 or 466-4856.
CONTACT: Vichit Vitayathanagorn, Mgr. Dir.
Industrial soy oil for paints & varnishes.

THANAKORN VEGETABLE OIL PRODUCTS CO. LTD. ★
Affiliate of Poon Phol Co., Ltd., Bangkok
99 So; Thanakorn (Phra Pradaeng), Tambol Bang Prakod, Samutprakarn, Ph. 425-8930; TLX: 82940 (POONPOL TH).
CONTACT: Vibul Sarakitpricha, Mgr. Dir.
Industrial soy oil for paints & varnishes.

VENEZUELA

FABRICA DE ACEITES EL AGUILA C.A. ★
Calle Bermudez Coussin 97-64, P.O. Box 255, Valencia, Carabobo 2001A, Ph. 88865 or 88869; TLX: 45339 (ACELA VC)
CONTACT: Miguel Garcia, Gen. Mgr.
Industrial soy oil for paints & varnishes.

SOY STEROLS & TOCOPHEROLS

UNITED STATES

HENKEL CORPORATION ★
7900 W. 78th St., Minneapolis, MN 55435, Ph. 612-828-8176. Plant at: Kankakee, IL.
CONTACT: R. L. Winters
Soya sterols, tocopherols and natural vitamin E.

TENNESSEE EASTMAN COMPANY ★
Distillation Products Industries
P.O. Box 511, Kingsport, TN 37662, Ph. 615-229-4664; TLX: 4995088 (TEC ECPI).
Other office: Rochester, NY.
CONTACT: T.R. Fields, Purchasing Engr.
Soy sterols and tocopherols.

BRAZIL

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) ★
Praca Osvaldo Cruz 15-16°, Porto Alegre, RS, 90000, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
Soy sterols and tocopherols.

PERDIGAO ALIMENTOS S.A.
Av. Nossa Senhora da Paz 722, 05349 Sao Paulo SP, Ph. 2688188; TLX: 1123506 (PERD BR).
CONTACT: Juarez A. Leoni, Sls. Mgr.
Soy sterols and tocopherols.

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC)
Molo Sud, Zona Industriale, Ancona, Ph. 55771; TELEGRAPH: ICIC Ancona; TLX: 560035 (ICIC A) - 560866 (ICIC B).
CONTACT: Fabio Russo, Asst. Gen. Mgr.
Soy sterols and tocopherols.

S.I.O. S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. 22 2571; TLX: 510138 (SIO MO I).
CONTACT: Paolo Domenichini, Admn.
Soy sterols and tocopherols.

JAPAN

AJINOMOTO CO. INC. ★
5-8, 1-Chome, Kyobashi, Chuo-ku, Tokyo 104, Ph. 272-1111.
CONTACT: N. Mizoguchi, Plant Mgr.
Soy sterols and tocopherols.

HOHNEN OIL CO. LTD.
Mitsui Life Insurance Bldg., 1-2-3 Ohtemachi, Chiyoda-ku, Tokyo, Ph. 211-6511;
Soy tocopherols.

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo, Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
Soy sterols and tocopherols.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc., Minneapolis, MN, USA
Coenhavenweg 2, Box 8074, 1005 AB Amsterdam, Ph. 803-803, TLX: 14081.
CONTACT: Eef Paalvast, Merch. Mgr.
Soy sterols and tocopherols.

SOYBEAN FATTY ACIDS

UNITED STATES

EMERY CHEMICALS ★
11501 Northlake Dr., P.O. Box 429557, Cincinnati, OH 45249, Ph. 513-530-7300; TWX: 810-461-2412.
EMERY 610 soya fatty acid. EMERSOL 315 linoleic acid by EMERSOL process for separation of liquid and solid components of soya fatty acids by selective solvent crystalization.

HENKEL CORPORATION ★
7900 W. 78th St., Minneapolis, MN 55435, Ph. 612-828-8176.
CONTACT: R. L. Winters
Soybean fatty acids.

INDUSTRIAL PRODUCTS GROUP
Stokely-Van Camp Inc.
525 W. 1st Ave., P.O. Box 569, Columbus, OH 43215, Ph. 614-299-3131; TLX: 245494.

CONTACT: M.J. Hein, VP
CAPITAL 172 distilled and CAPITAL 182 double distilled soy fatty acids.

WITCO CHEMICAL CORPORATION ★
Humko Chemical Division
755 Crossover Lane, Suite 216, P.O. Box 125, Memphis, TN 38101, Ph. 901-320-5800; TLX: 53928; TWX: 810-591-1142.
CONTACT: B.J. Bogdanoff, Dir. of Sales
Soybean fatty acids.

ARGENTINA

MOLINOS RIO DE LA PLATA S.A.
Paseo Colon 746, Buenos Aires, 1323, Ph. 30-8463, 30-8485, 33-3002 or 33-3003; TLX: 22270 (MRPSA AR).
CONTACT: Nolly Sirkis, Div. Mgr.
Soybean fatty acids.

SOCIEDAD ANONIMA FABRICAS Y REFINERIAS DE ACEITES (SAFRA)
Av. de Mayo 633, Piso 4°, Buenos Aires 1084, Ph. 34-6154 or 34-4804; TLX: 21096 (SAFRA AR) or 17847 (SAFRA AR).
CONTACT: Eduardo Colombo, Mgr.
Soybean fatty acids.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO ★
Rua Enxovia 423, Santo Amaro, Sao Paulo 04711, Ph. 548-5500; TLX: 22597 (BWEY BR).
CONTACT: Liu Shun Ku, Exec. Dir.
Soybean fatty acids.

MIRACEMA NUODEX S.A. INDUSTRIAS QUIMICAS ★
Rodovia Santos Dumont, Km. 4, 125, P.O. Box 719, Campinas 13100, Ph. 47-5700; TLX: 1201 (MIRA BR).
CONTACT: Otto Rohr, Pres.
Soybean fatty acids.

PERDIGAO ALIMENTOS S.A.
Av. Nossa Senhora da Paz 722, 05349 Sao Paulo SP, Ph. 2688188; TLX: 1123506 (PERD BR).
CONTACT: Juarez A. Leoni, Sis. Mgr.
Soybean fatty acids.

REFINADORA DE OLEOS BRASIL S.A.
Av. Paulista, 2073-Conj. Horsa II, 2nd Flr., Sao Paulo, S.P., 01311, Ph. 287-3122; TLX: 32042 (NEVA BR) and 23827 (ROBR BR);
CONTACT: C.A. Walter or J.P. Mayor
Soybean fatty acids.

CANADA

MAPLE LEAF MONARCH CO.
365 Evans Ave., Toronto, Ont. M8Z 5W7, Ph. 416-252-5551; TLX: 06984560.
CONTACT: Be Nijnuis, Indus. Oil Mgr.
Soybean fatty acids.

FEDERAL REPUBLIC OF GERMANY

HARBURGER OELWERKE BRINCKMAN & MERGELL
Seehafenstrasse 2, D-2100 Hamburg, Hamburg 90, Ph. 771140; TLX: 02-17681.
CONTACT: Walter Zech, Sis. Dir.
Soybean fatty acids.

FINLAND

RAISION TEHTAAT
Oy Kasviojy-Vaxtolje AB
SF-21200 Raisio, Ph. 780311; TLX: 62140 (RAUL SF).
CONTACT: Heikki Siintola, Mgr., Foreign Dept.
Distilled fatty acids.

INDIA

FOODS FATS & FERTILISERS LTD.
Post Box No. 15, Tanuku Road, Tadepalligudem 534101, Andhra Pradesh, Ph. 2571, 2525 or 2363.
CONTACT: Sushil Goenka, VP, Production
Soybean fatty acids.

OSWAL AGRO MILLS LTD.
107-108 Padma Tower-1, 5 Rajindra Place, New Delhi 110008, Ph. 5715150, 5715317 or 5715103.
CONTACT: Abhey Kumar Oswal, Man. Dir. or K.L. Jain, Chief Exec.
Soybean fatty acids.

ISRAEL

IZHAR OIL INDUSTRY OF ISRAEL LTD.
P.O. Box 823, Tel-Aviv, Ph. 242555; TLX: 33441 (OCEAN IL).
CONTACT: M. Mitelman, Dir.
Soybean fatty acids.

TETH BETH LTD.
P.O. Box 147, Petah Tikva 49101, Ph. 913191; TLX: 341962 (TB IL).
CONTACT: Ezra Berger, Mgr.
Soybean fatty acids.

ITALY

INDUSTRIE CHIMICHE ITALIA CENTRALE S.p.A. (ICIC)
Molo Sud, Zona Industriale, Ancona, Ph. 55771; TELEGRAPH: ICIC Ancona; TLX: 560035 (ICIC A) - 560866 (ICIC B)
CONTACT: Fabio Russo, Asst. Gen. Mgr.
Soybean fatty acids.

S.I.O. S.p.A.
Via Farini, N. 56, Modena, 41100, Ph. 22 2571; TLX: 510138 (SIO MO I).
CONTACT: Paolo Domenichini, Admin.
Soybean fatty acids.

JAPAN

THE NISSHIN OIL MILLS, LTD.
23-1, 1-Chome, Shinkawa, Chuo-ku, Tokyo,
Ph. 555-6923.
CONTACT: T. Okumori, Plant Mgr.
Soybean fatty acids.

KOREA

DONG BANG CORPORATION ★
2, 4-Ka, Yangpyong-dong, Yungdungpo-ku,
C.P.O. Box 3031, Seoul 150, Ph. 676-9121;
TLX: 27334 (DB CORP).
CONTACT: Jang Hong Yoo, Dir.
Soybean fatty acids.

MEXICO

ACEITES Y DERIVADOS
DEL PACIFICO, S.A. DE C.V.
Km. 2125, Carretera Hermosillo-Nogales,
Hermosillo, Sonora, Ph. 42215; TLX: 058854.
CONTACT: Jose L. Aguilar, Gen. Mgr.
Soybean fatty acids.

GALLETERA MEXICANA S.A. (GAMESA)
Apdo. Postal 871, Ciudad Obregon, Sonora,
Ph. 41907 or 51667.
CONTACT: Ricardo J. Fierro Ramirez, Mgr.
Soybean fatty acids.

NETHERLANDS

CARGILL B.V.
Affiliate of Cargill Inc.,
Minneapolis, MN, USA
Coenhavenweg 2, Box 8074,
1005 AB Amsterdam, Ph. 803-803; TLX: 14081.
CONTACT: Eef Paalvast, Merch. Mgr.
Soybean fatty acids.

PERU

COMPANIA OLEAGINOSA DEL PERU S.A.
Casilla 2965, Lima 100,
Ph. 52-5570; TLX: 036-25418 (PE FABRIL).
CONTACT: Augusto Echecopar, Mgr. Dir.
Soybean fatty acids.

THAILAND

NAKORNCHAISRI OIL
INDUSTRIAL CO. LTD. ★
829-835 Opp. Taladplu Railway Station,
Dhonburi, Bangkok 10600,
Ph. 465-0971, 466-3082 or 466-4856.
CONTACT: Vichit Vitayathanagorn, Mgr. Dir.
Soybean fatty acids.

MSI

EXPORTING QUALITY SOYBEANS AND WAXY CORN ASK FOR "MSI QUALITY"

MIDWEST SOYA INTERNATIONAL, INC.

814 North 5th
Clear Lake, Iowa 50428

TEL. (515) 357-6131
TELEX 439080

RELIABLE SUPPLIERS OF RECLEANED VARIETAL PURE SOYBEANS FOR THE SOYFOODS INDUSTRY WORLDWIDE. CONTACT MSI FOR QUOTATIONS ON FOB, C AND F OR CIF BASIS, BAGGED OR IN BULK

KIM F. PLEGGENKUHLE
MANAGER

soybean manufacturing support industries

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AIR CLASSIFIERS

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Alpine American Corporation
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Codema, Inc.
Femia Food Processing Equipment Inc.
Forsbergs, Inc.
S. Howes Co., Inc.
Prater Industries, Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Sweco, Inc.
Triple/S Dynamics, Inc.
The Witte Company, Inc.

ASPIRATORS

Agra Erectors, Inc.
Blount Industrial Products/Clipper
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Company
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Crippen Mfg. Co., Inc.
Forsbergs, Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
Gustafson, Inc.
S. Howes Co., Inc.
Kice Metal Products Co., Inc.
Oliver Manufacturing, Co. Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Triple/S Dynamics, Inc.

AUTOMATIC SAMPLERS

Agra Erectors, Inc.
Dabney-Hoover Supply Co., Inc.
Grain Probe Sales & Service
Gustafson, Inc.
Houston Public Grain Elevator
JaHam Mfg. Co. Inc.
Seedburo Equipment Co.

BAGS, BAGGING EQUIPMENT

Agra Erectors, Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Cargill Agricola S.A. (Brazil)
The Chantland Company, Division of Douglas & Lomason Co.
Chase Bag Co.
Dabney-Hoover Supply Co., Inc.
Fagrave S.A. (Columbia)
Dave Fischbein Company
Greif Bros. Corp.
Hagan Manufacturing Co.
Howe Richardson Co.
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Langston Bag Company
Marina Milling & Grain Handling Co. Ltd. (Malta)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Toledo Scale
Valley Marketing

BATCHING SYSTEMS

Accurate Metering Systems
Agra Erectors, Inc.
Cardinal Scale Manufacturing Company
Codema, Inc.
Control Systems International
Dabney-Hoover Supply Co., Inc.
Dontech, Inc.
Electroscale Corp.
Hayes & Stolz Industrial Mfg. Co., Inc.
S. Howes Co., Inc.
R.B.R. Scales, Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Todd and Sargent, Inc.
Toledo Scale
Valley Marketing
Wenger International Inc.

BEARINGS

Agra Erectors, Inc.
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge Master
DuVal Industrial Foreign Trade Corporation
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Houston Public Grain Elevator
PT Components, Inc.
Rubber Supply, Inc.

BELTING & BELTING ACCESSORIES

Agra Erectors, Inc.
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge Master
DuVal Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
Flexible Steel Lacing Co.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Houston Public Grain Elevator
Luttrell Belting & Supply Co., Inc.
Rubber Supply, Inc.
Scandura Inc.
Siegling America Inc.
Sweet Manufacturing Co.

FRENCH

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For over 80 years French Oil Mill Machinery Company has developed, engineered, manufactured and serviced productive machines and systems for the world's oilseed processing industries.

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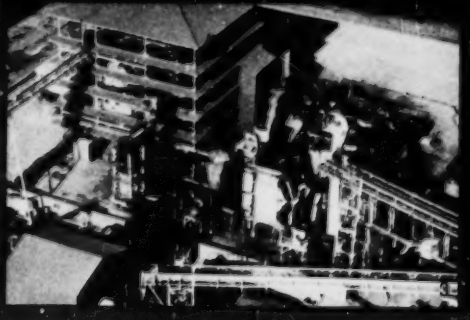
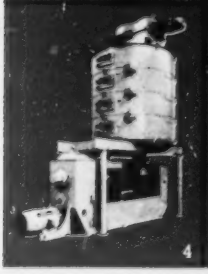
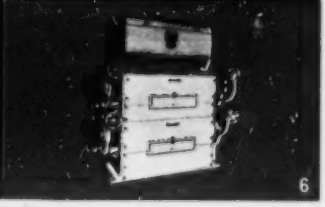
French takes undivided responsibility for turn-key projects from design to start-up. Everything needed including preparation, extraction, solvent recovery and meal handling equipment comes from one dependable source. For technical information or discussions contact **The French Oil Mill Machinery Company**, (French Oil International Corporation), Piqua, Ohio 45356 U.S.A. Phone (513) 773-3420. Cable address French Piqua. Telex No. 288-009.

FRENCH
U.S.A.

1. Stationary Basket Extractor Capacities to 3000 MT D
2. Desolventizer Toaster Capacities to 3000 MT D
3. Direct Solvent Extraction Plant for 1200 tpd cottonseed
4. Mechanical Screw Press with Cooker Dryer. Various models have pre-pressing capacities up to 250 MT D and full pressing to 65 MT D of oil bearing seeds
5. B-3100 Pre-press
6. Cracking Mill



Universal Industries
K.I. Willis Corporation
Witt Corrugating, Inc.

CHAINS

Agra Erectors, Inc.
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge Master
DuVal Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Houston Public Grain Elevator
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Luttrell Belting & Supply Co., Inc.
Rubber Supply, Inc.

CLEANING/SANITIZING EQUIPMENT & SUPPLIES

APV CREPACO, Inc.
Agra Erectors, Inc.
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Cottor Plants Pvt. Ltd. (India)
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
Dontech, Inc.
General Resource Corp.
Houston Public Grain Elevator
Jaygo, Incorporated
Spraying Systems Co.
Takai Tofu & Soymilk Equipment Co. (Japan)

CONTROL INSTRUMENTS AND/OR SYSTEMS

APV CREPACO, Inc.
Agra Erectors, Inc.
Alfa-Laval (Sweden)
Cargill Agricola S.A. (Brazil)
Control Enterprises, Inc.
Control Systems International
DICKEY-john Corporation
Dontech, Inc.
The Foxboro Company
French Oil Mill Machinery Company
Hagan Manufacturing Co.
Honeywell/Process Control Division
Howe Richardson Co.
Lakeland Engineering Equipment Co.
MCC Powers
Oxford Analytical Instruments Ltd. (England)
R.B.R. Scales, Inc.
Reliance Electric Co.
Toledo Scale
Westinghouse Electric Corporation

CONVEYORS

Agra Erectors, Inc.
Blount Industrial Products/Clipper
Blount Industrial Products/Mix Mill
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Cargill Agricola S.A. (Brazil)
Carter-Day Company
The Chantland Company, Div. of Douglas & Lomason Co.
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Dabney-Hoover Supply Co., Inc.
Damman-Croes S.A. (Belgium)
Divine Engineering, Inc.
Dodge Master
Dunbar Kapple
DuVal Industrial Foreign Trade Corporation
Electrical Engineering & Equipment Co.
The Essmueller Company
FMC Corporation, Material Handling Systems Div.
Fagrave S.A. (Colombia)
Feeco International, Inc.
Forsbergs, Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
General Resource Corp.
Goodwin Engineering & Trading Inc., (Taiwan)
Hagan Manufacturing Co.
Heat and Control, Inc.
Houston Public Grain Elevator
S. Howes Co., Inc.
InterSystems, Inc.
Lakeland Engineering Equipment Co.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Meyer Agri Products, Inc.
Mid-America Products, Inc.
Neuero Corporation
Newell Machinery Co., Inc.
Oliver Manufacturing Co., Inc.
The Rapat Corporation
Riley Equipment, Inc.
George A. Rolfes Company
Rubber Supply, Inc.
Screw Conveyor Corp.
Seedburo Equipment Co.
Speed-King Mfg. Co., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sweet Manufacturing Co.
Thomas Conveyor Company
Todd and Sargent, Inc.
Tramco Metal Products, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
Universal Industries
Westinghouse Electric Corporation

DRYING & AERATION

CONDITIONERS & COOLERS

Agra Erectors, Inc.
American Drynamics Inc.
Damman-Croes S.A. (Belgium)
Davenport Machine & Foundry Co.
Dedert Corporation
DuVal Industrial Foreign Trade Corporation
FMC Corporation, Material Handling Systems Div.
Farm Fans, Inc.
Feeco International, Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc., (Taiwan)
Hagan Manufacturing Co.
Hayes & Stolz Industrial Mfg. Co., Inc.

Kice Metal
Products Co., Inc.
Masiero Industrial S.A.
(Brazil)
Moorhead Machinery
& Boiler Company
Ponndorf Maschinenfabrik,
GmbH (Fed. Rep.
of Germany)
Superior Welding Company
Troika Processes Pvt. Ltd.
(India)
Wenger International Inc.
The Witte Company, Inc.

GRAIN DRYERS

Aeroglide Corp.
Agra Erectors, Inc.
American Drynamics Inc.
Atlas Metal Industries
Berico Industries
Buhler Brothers Ltd.
(Switzerland)
Cargill Agricola S.A.
(Brazil)
Chief Industries, Inc.
Dabney-Hoover
Supply Co., Inc.
DriAll, Inc.
FMC Corporation, Material
Handling Systems Div.
Farm Fans, Inc.
Feeco International, Inc.
Fort Worth Steel
& Machinery
A. Gusmer, Inc.
Hagan Manufacturing Co.
M & W Gear Company
Mathews Equipment Co.
Meyer Agri Products, Inc.
Ponndorf Maschinenfabrik,
GmbH (Fed. Rep.
of Germany)
Superior Welding Company
Triple/S Dynamics
Troika Processes Pvt. Ltd.
(India)
The Witte Company, Inc.
Zimmerman Equipment
Company

MEAL DRYERS

Agra Erectors, Inc.
American Drynamics Inc.
Buhler Brothers Ltd.
(Switzerland)
Cargill Agricola S.A.
(Brazil)
Crown Iron Works Co.
Damman-Croes S.A.
(Belgium)
Davenport Machine
& Foundry Co.
Dedert Corporation
FMC Corporation, Material
Handling Systems Div.
Feeco International, Inc.
Fort Worth Steel
& Machinery
French Oil Mill
Machinery Company
A. Gusmer, Inc.
Masiero Industrial S.A.
(Brazil)
Moorhead Machinery
& Boiler Company
Ponndorf Maschinenfabrik,
GmbH (Fed. Rep.
of Germany)
Superior Welding Company
Troika Processes Pvt. Ltd.
(India)
The Witte Company, Inc.

DUST CONTROL SYSTEMS & SUPPLIES

Agra Erectors, Inc.
Bindicator Company
Blount Industrial Products/
Ross Mills
Buhler Brothers Ltd.
(Switzerland)
Buhler-Miag, Inc.
Carter-Day Company
Codema, Inc.
Conveying Techniques, Inc.
Cottor Plants Pvt. Ltd.
(India)
Dabney-Hoover
Supply Co., Inc.
Feeco International, Inc.
Forsbergs, Inc.
General Resource Corp.
Goodwin Engineering &
Trading Inc., (Taiwan)
Houston Public Grain
Elevator
I-Tung Machinery Industry
Co., Ltd. (Taiwan)
InterSystems, Inc.
Charles Isdale &
Associates, Inc.
Kice Metal
Products Co., Inc.
MikroPul Corporation
Motomco Inc.
Oliver Manufacturing
Co., Inc.
George A. Rolfes Company
Spraying Systems Co.
Sprout-Waldron Division,
Koppers Company, Inc.
Todd and Sargent, Inc.
Troika Processes Pvt. Ltd.
(India)
H.R. Williams
Mill Supply Company

ELEVATORS, ELEVATOR BUCKETS & LIFTS

Agra Erectors, Inc.
Bender-Ross Equipment
Co., Inc.
Blount Industrial Products/
Clipper
Blount Industrial Products/
Mix Mill
Blount Industrial Products/
Ross Mills
Buhler Brothers Ltd.
(Switzerland)
The Chantland Company,
Div. of Douglas &
Lomason Co.

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We're specialists and engineers at helping customers maximize profits from bean processing. As project management experts, we conduct feasibility studies, make equipment recommendations, and supervise installation and startup of new and modernized mills. We'll help you realize maximum operating profits using the best of proven technology and automation. To discuss a possible project contact W.M. Barger and Associates, Inc., 1324 Stratford Drive, Piqua, Ohio 45356, TELEX 852757, Tel. 513-778-9222.

W.M. BARGER & ASSOCIATES

Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Dabney-Hoover Supply Co., Inc.
Damman-Croes S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
The Essmueller Company
Fagrave S.A. (Colombia)
Feeco International, Inc.
Forsbergs, Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc., (Taiwan)
Grain Systems, Inc.
Hayes & Stolz Industrial Mfg. Co., Inc.
Houston Public Grain Elevator
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
InterSystems, Inc.
Luttrell Belting & Supply Co., Inc.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Masiero Industrial S.A. (Brazil)
Meyer Agri Products, Inc.
Newell Machinery Co., Inc.
Portable Elevator Division The Rapat Corporation
Riley Equipment, Inc.
Rubber Supply, Inc.
Screw Conveyor Corp.
Seedburo Equipment Co.
Sprout-Waldron Division, Koppers Company, Inc.
Sweet Manufacturing Co.
Thomas Conveyor Company
Todd and Sargent, Inc.
Tramco Metal Products, Inc.
Troika Processes Pvt. Ltd. (India)
Universal Industries
K.I. Willis Corporation

FANS

Agra Erectors, Inc.
W.C. Cantrell Company
Chief Industries, Inc.
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Dabney-Hoover Supply Co., Inc.
Dunbar Kapple
Fagrave S.A. (Colombia)
Farm Fans, Inc.
Forsbergs, Inc.
Fort Worth Steel & Machinery
French Oil Mill Machinery Company
General Resource Corp.
Grain Systems, Inc.
Houston Public Grain Elevator
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Kice Metal Products Co., Inc.
George A. Rolfes Company
Sprout-Waldron Division, Koppers Company, Inc.
Triple/S Dynamics, Inc.

FLOW MEASUREMENT INSTRUMENTS

Accurate Metering Systems
Agra Erectors, Inc.
Elliott Automation Co. Inc.
ERDCO Engineering Corporation
The Foxboro Company
Motomco Inc.
Reliance Electric Co.
Revere Corp. of America

FUMIGANTS

Cargill Agricola S.A. (Brazil)
Houston Public Grain Elevator
Marina Milling & Grain Handling Co. Ltd. (Malta)

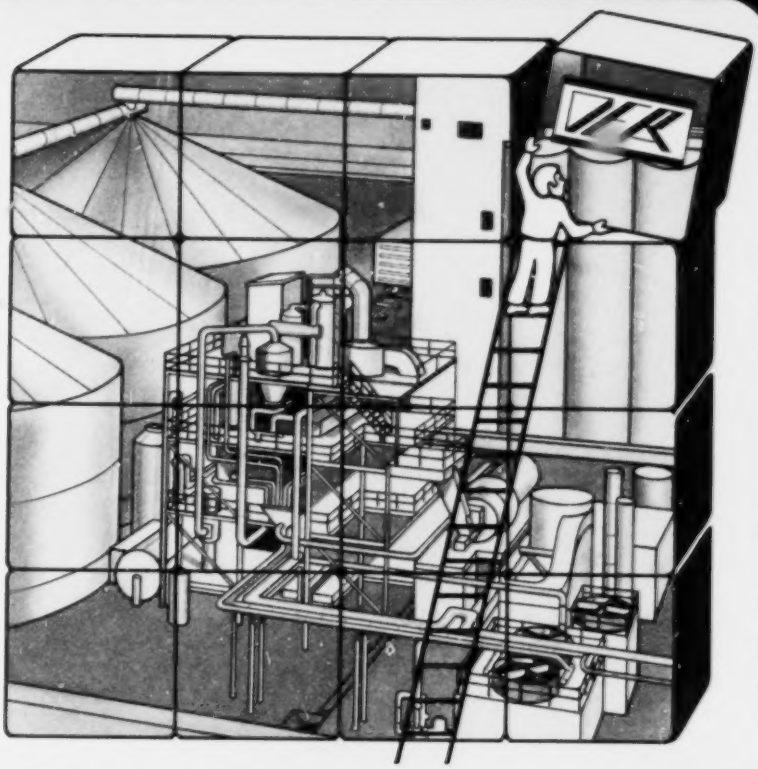
GRAIN ANALYZERS

Agra Erectors, Inc.
C.W. Brabender Instruments, Inc.
Cargill Agricola S.A. (Brazil)
DICKEY-john Corporation
InterSystems, Inc.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Motomco Inc.
Oxford Analytical Instruments Ltd. (England)
Pacific Scientific, Gardner/Neotec Instrument Div.
Technicon Instruments
Udy Corporation

GRINDING & MIXING EQUIPMENT

APV CREPACO, Inc.
Agra Erectors, Inc.
Alpine American Corporation
American Drynamics Inc.
Baumeister, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products/ Mix Mill
Blount Industrial Products/ Ross Mills
C.W. Brabender Instruments, Inc.
Carl G. Brimmekamp & Co., Inc.
Buhler Brothers Ltd. Switzerland)
Buhler-Miag, Inc.
Buss-Condux, Inc.
C.E. Bauer
W.C. Cantrell Company
Champion Products, Inc.
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Damman-Croes S.A. (Belgium)
Dontech, Inc.
Feeco International, Inc.
Franklin Miller Inc.
Goodwin Engineering & Trading Inc., (Taiwan)
Hayes & Stolz Industrial Mfg. Co., Inc.
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Jacobson Machine Works, Inc.
Jaygo, Incorporated
Jeffrey Manufacturing Division, Dresser Industries, Inc.
Marina Milling & Grain Handling Co. Ltd. (Malta)
MikroPul Corporation
Mixing Equipment Co., Inc. Unit of General Signal
Okita Enterprises Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Quartz Technology, Inc.
Roskamp Mfg., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
SWECO, Inc.
Todd and Sargent, Inc.
Udy Corporation
Urschel Laboratories, Inc.
Wenger International Inc.
Witt Corrugating, Inc.

Getting it together



takes an engineering consulting firm with a lot of experience.

At DER — "Getting It Together" — is taking the seed of an idea and developing it in a professional manner into a workable and cost-effective project. This means not only meeting immediate needs but also careful planning for the future. Our geographic location in the heart of corn and soybean country has given us a unique opportunity to serve the engineering needs of the grain processing industry. At DER, our team of engineering specialists has worked to solve many difficult and complex new construction and retrofit problems. Our services involve not only engineering but the dovetailing of the efforts of a contractor and suppliers. DER would like to put this expertise to work for your company.

WE INVITE YOU TO WRITE FOR OUR INFORMATION PORTFOLIO.

Dennis E. Roby & Associates Inc.

CONSULTING ENGINEERS

1900 E. Eldorado St., P.O. Box 1425, Decatur, IL. 62522 • 217-429-4412

MATERIAL FLOW AIDS

Abrasion Engineering, Inc.
Agra Erectors, Inc.
Carter-Day Company
General Resource Corp.
Grain Systems, Inc.
Houston Public Grain Elevator
Marina Milling & Grain Handling Co. Ltd. (Malta)
Oil-Dri Corporation of America
Revere Corp. of America
Rhino Sales Corporation
Troika Processes Pvt. Ltd. (India)

MATERIAL LEVEL INDICATORS

Agra Erectors, Inc.
Bindicator Company
Carter-Day Company
Dabney-Hoover Supply Co., Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc., (Taiwan)
Hagan Manufacturing Co.
S. Howes Co., Inc.
Lakeland Engineering Equipment Co.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Newell Machinery Co., Inc.
Revere Corp. of America
Stemmerich, Inc.
Troika Processes Pvt. Ltd. (India)

MOISTURE TESTERS

Agra Erectors, Inc.
C.W. Brabender Instruments, Inc.
Cargill Agricola S.A. (Brazil)
Dabney-Hoover Supply Co., Inc.
Deere and Company
DICKEY-john Corporation
Grain Systems, Inc.
Hagan Manufacturing Co.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Motomco Inc.
Ohaus Scale Corp.
Pacific Scientific, Gardner/Neotec Instrument Div.
Seedburo Equipment Co.
Technicon Instruments

POWER TRANSMISSION EQUIPMENT

Agra Erectors, Inc.
Cargill Agricola S.A. (Brazil)
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dodge Master
Electrical Engineering & Equipment Co.
Fagrave S.A. (Colombia)
The Falk Corporation
Fort Worth Steel & Machinery
Houston Public Grain Elevator
Lakeland Engineering Equipment Co.
Reliance Electric Co.
Rubber Supply, Inc.
Tramco Metal Products, Inc.

PUMPS

Agra Erectors, Inc.
Alfa-Laval (Sweden)
Best-Way, Inc.
Cargill Agricola S.A. (Brazil)
Cast Alloy Products Co. (CASTCO)
Dabney-Hoover Supply Co., Inc.
Deere and Company
Dontech, Inc.
Dunbar Kapple
DuVal Industrial Foreign Trade Corporation
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Houston Public Grain Elevator

QUALITY CONTROL METAL DETECTION

Agra Erectors, Inc.
DuVal Industrial Foreign Trade Corporation
Marina Milling & Grain Handling Co. Ltd. (Malta)

RAILROAD EQUIPMENT

RAILROAD CAR HANDLING EQUIPMENT

Agra Erectors, Inc.
The Aldon Company
Dunbar Kapple

RAILWAY SIDING DEVICES

The Aldon Company
Houston Public Grain Elevator
Lakeland Engineering Equipment Co.

TANK & COVERED HOPPER CARS

General American Transportation Corp. (GATX)
Pullman Leasing
United States Rail Services, Inc.

SCALES

Agra Erectors, Inc.
Cardinal Scale Manufacturing Company
Carter-Day Company
Codema, Inc.
DICKEY-john Corporation
Electroscale Corp.
Fairbanks Weighing Div.
Hagan Manufacturing Co.
Heat and Control, Inc.
Houston Public Grain Elevator
Howe Richardson Co.
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
InterSystems, Inc.
Ohaus Scale Corp.
R.B.R. Scales, Inc.
Seedburo Equipment Co.
Todd and Sargent, Inc.
Toledo Scale
Weigh-Tronix, Inc.
Westweigh Scale Co.

SIFTERS & SIFTER SCREENS

Agra Erectors, Inc.
Blount Industrial Products/ Ross Mills
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
Dontech, Inc.
Goodwin Engineering & Trading Inc., (Taiwan)
Hagan Manufacturing Co.
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)

Marina Milling & Grain Handling Co. Ltd. (Malta)
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Quartz Technology, Inc.
Smico Manufacturing Corporation
Sprout-Waldron Division, Koppers Company, Inc.
SWECO, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company
The Witte Company, Inc.

TEMPERATURE MONITORS & SYSTEMS

Agra Erectors, Inc.
Dabney-Hoover Supply Co., Inc.
DICKEY-john Corporation
DuVal Industrial Foreign Trade Corporation
The Foxboro Company
French Oil Mill Machinery Company
Grain Systems, Inc.
Hagan Manufacturing Co.
Honeywell/Process Control Division
Houston Public Grain Elevator
InterSystems, Inc.
Revere Corp. of America
George A. Rolfes Company

TRUCK LIFTS

Agra Erectors, Inc.
Bender-Ross Equipment Co. Inc.
Dabney-Hoover Supply Co., Inc.
Hagan Manufacturing Co.
Houston Public Grain Elevator
Screw Conveyor Corp.
Straight Engineering Company

UNLOADERS

Agra Erectors, Inc.
The Chantland Company, Div. of Douglas & Lomason Co.
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
Dontech, Inc.
Dunbar Kapple
General Resource Corp.
Grain Systems, Inc.
Hagan Manufacturing Co.
Houston Public Grain Elevator
The Rapat Corporation
Speed King Mfg. Co., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Straight Engineering Company
Todd and Sargent, Inc.
Valley Marketing

VIBRATORS & VIBRATOR SCREENS

Agra Erectors, Inc.
Alfa-Laval (Sweden)
Blount Industrial Products/ Ross Mills
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Carter-Day Co.
Cottor Plants Pvt. Ltd. (India)
Dabney-Hoover Supply Co., Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
Forsbergs, Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc., (Taiwan)
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Marina Milling & Grain Handling Co. Ltd. (Malta)
Newell Machinery Co., Inc.
Prater Industries, Inc.
Rhino Sales Corporation
Rotex Inc.
SWECO, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
The Witte Company, Inc.

WARNING SYSTEMS

Agra Erectors, Inc.
Cargill Agricola S.A. (Brazil)
Carter-Day Company
Hagan Manufacturing Co.
Houston Public Grain Elevator
MCC Powers
Marina Milling & Grain Handling Co. Ltd. (Malta)
George A. Rolfes Company

WASTE WATER TREATMENT EQUIPMENT

CE Bauer
Cargill Agricola S.A. (Brazil)
Dontech, Inc.
Franklin Miller Inc.
Jaygo, Incorporated
Jeffrey Manufacturing Division, Dresser Industries, Inc.
Mixing Equipment Co., Inc. Unit of General Signal
Moorhead Machinery & Boiler Company
Star Systems Filtration Division
Stemmerich, Inc.
SWECO, Inc.
Tenco Laboratories

WEIGHING & PACKAGING

Agra Erectors, Inc.
Buhler Brothers Ltd. (Switzerland)
Cardinal Scale Manufacturing Company
Cargill Agricola S.A. (Brazil)
Carter-Day Company
The Chantland Company Div. of Douglas & Lomason Co.
Codema, Inc.
Dontech, Inc.
DuVal Industrial Foreign Trade Corporation
Electroscale Corp.
Fairbanks Weighing Div.
Goodwin Engineering & Trading Inc., (Taiwan)
Heat and Control, Inc.
Howe Richardson Co.
S. Howes Co., Inc.
Langston Bag Company
Marina Milling & Grain Handling Co. Ltd. (Malta)
Ohaus Scale Corp.
Okita Enterprises Inc.
R.B.R. Scales, Inc.
Revere Corp. of America
Takai Tofu & Soymilk Equipment Co. (Japan)
Todd and Sargent, Inc.
Toledo Scale
Valley Marketing

Soy Product Processing Equipment & Supplies

Addresses for these companies follow on page 144.

SOYBEAN STORAGE

BUILDINGS

Agra Erectors, Inc.
Air Tech Industries, Inc.
Chief Industries, Inc.
Dabney-Hoover Supply Co., Inc.
N.V. Extraction De Smet S.A. (Belgium)
French Oil Mill Machinery Company
Grain Systems, Inc.
Houston Public Grain Elevator
Industry General Corporation
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Sapulpa Tank Company
Webco Tank, Inc.

ELEVATOR & PROCESSING UNITS

Agra Erectors, Inc.
Borton Inc.
Buhler Brothers Ltd. (Switzerland)
Cargill Agricola S.A. (Brazil)
Carter-Day Company
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
Feeco International, Inc.
French Oil Mill Machinery Company
Hagan Manufacturing Co.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Sprout-Waldron Division, Koppers Company, Inc.
Sweet Manufacturing Co.
Takai Tofu & Soymilk Equipment Co. (Japan)
Westinghouse Electric Corporation

WAREHOUSING, FIELD

Agra Erectors, Inc.
Air Tech Industries, Inc.
Chief Industries, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)

SOYBEAN HANDLING

GRAIN & MATERIAL HANDLING EQUIPMENT

Abrasion Engineering, Inc.
Agra Erectors, Inc.
Blount Industrial Products/ Clipper
Blount Industrial Products/ Mix Mill
Borton Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
Carter-Day Company
The Chantland Company, Div. of Douglas & Lomason Co.
Codema, Inc.
Control Systems International
Conveying Techniques, Inc.
Cottor Plants Pvt. Ltd. (India)
DMI, Inc.
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Deere and Company
Divine Engineering, Inc.
Dunbar Kapple
J.R. Dykes Sales & Service Inc.
The Essmueller Company
Forsbergs, Inc.
French Oil Mill Machinery Company
General Resource Corp.
Goodwin Engineering & Trading Inc. (Taiwan)
Grain Systems, Inc.
Hagan Manufacturing Co.
Houston Public Grain Elevator
Howe Richardson Company
S. Howes Co., Inc.
InterSystems, Inc.
Kice Metal Products Co., Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)

Lakeland Engineering Equipment Co.
Marina Milling & Grain Handling Co. Ltd. (Malta)
Meyer Agri Products, Inc.
Neuero Corporation
Newell Machinery Co., Inc.
The Rapat Corporation
Rubber Supply, Inc.
Screw Conveyor Corp.
Speed King Mfg. Co., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sweet Manufacturing Co.
Thomas Conveyor Company
Troika Processes Pvt. Ltd. (India)
Unverferth Mfg. Co., Inc.
Valley Marketing

GRAIN CLEANING, SEPARATING EQUIPMENT

Agra Erectors, Inc.
W.M. Barger & Associates, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products/ Clipper
C.W. Brabender Instruments, Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CE Bauer
C.W. Cantrell Company
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Crippen Mfg. Co., Inc.
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dontech, Inc.
J.R. Dykes Sales & Service Inc.
Forsbergs, Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc. (Taiwan)
Gustafson, Inc.
Hagan Manufacturing Co.
Heat and Control, Inc.
S. Howes Co., Inc.
InterSystems, Inc.
Kice Metal Products Co., Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Marina Milling & Grain Handling Co. Ltd. (Malta)
N. Hunt Moore & Associates, Inc.
Newell Machinery Co., Inc.
Oliver Manufacturing Co., Inc.
Rotex Inc.
Smico Manufacturing Corporation
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Takai Tofu & Soymilk Equipment Co. (Japan)
Triple/S Dynamics, Inc.

PHILLIPS HYDROCARBON SOLVENTS. WHEN LOW BENZENE IS A HIGH PRIORITY IN OIL SEED PROCESSING.

You want a solvent for oil seed processing that's low in benzene, low in sulfur.

Phillips n-hexane is: only 500 PPM *maximum* benzene, only one PPM *maximum* sulfur.

You want a solvent supplier that's high on capacity, high on reliability.

Phillips is: we're the largest U.S. producer of n-hexane, we're a basic producer with feedstock security.

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PHILLIPS CHEMICAL COMPANY
A SUBSIDIARY OF PHILLIPS PETROLEUM COMPANY

Worldwide Specialty Chemicals

Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company
The Witte Company

GRAIN GRADING EQUIPMENT

Agra Erectors, Inc.
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
Crippen Mfg. Co., Inc.
Dabney-Hoover Supply Co., Inc.
Hagan Manufacturing Co.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Marina Milling & Grain Handling Co. Ltd. (Malta)
Sprout-Waldron Division, Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
H.R. Williams Mill Supply Company

TRUCK LIFTS

Agra Erectors, Inc.
Dabney-Hoover Supply Co., Inc.
Straight Engineering Company

UNLOADERS

Agra Erectors, Inc.
The Chantland Company, Div. of Douglas & Lomason Co.
Dabney-Hoover Supply Co., Inc.
Dontech, Inc.
Dunbar Kapple
J.R. Dykes Sales & Service Inc.
General Resource Corp.
MIMCO, Inc.
Neuero Corporation
The Rapat Corporation
Speed King Mfg. Co., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Straight Engineering Company
Valley Marketing

SOYBEAN PROCESSING

ANTI-CAKING AGENTS

Ashland Chemical Co.
C-Corp
J.M. Huber Corp., Clay Division
Oil-Dri Corporation of America

COOKERS/EXTRUDERS

Agra Erectors, Inc.
Anderson International
C.W. Brabender Instruments, Inc.
W.C. Cantrell Company
Cargill Agricola S.A. (Brazil)
Codema, Inc.
Crown Iron Works Co.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dontech, Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
DuVal Industrial Foreign Trade Corporation
J.R. Dykes Sales & Service Inc.
EMI Corporation
EPE Incorporated
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc. (Taiwan)
Heat and Control, Inc.
Charles Isdale & Associates, Inc.
Jaygo, Incorporated
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Okita Enterprises Inc.
Simon-Rosedowns Ltd. (England)
Sprout-Waldron Division, Koppers Company, Inc.
Takai Tofu & Soymilk Equipment Co. (Japan)
Troika Processes Pvt. Ltd. (India)
Wenger International Inc.

COOLERS, FLUIDIZED BED

Agra Erectors, Inc.
Ross Brian and Associates, Inc.
Buhler-Miag, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
EMI Corporation
French Oil Mill Machinery Company
General Resource Corp.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.

DEHULLING EQUIPMENT

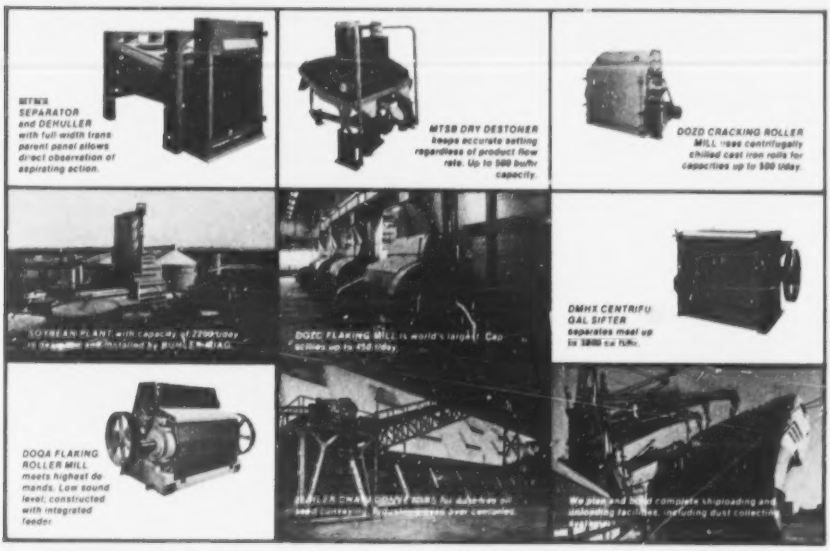
Agra Erectors, Inc.
W.M. Barger & Associates, Inc.
Blount Industrial Products/ Clipper
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
CE Bauer
W.C. Cantrell Company
Codema, Inc.
Cottor Plants Pvt. Ltd. (India)
N.V. Extraction De Smet S.A. (Belgium)
DuVal Industrial Foreign Trade Corporation
J.R. Dykes Sales & Service Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Kice Metal Products Co., Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.
Roskamp Mfg., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Takai Tofu & Soymilk Equipment Co. (Japan)
Troika Processes Pvt. Ltd. (India)

DRYING & AERATION EQUIPMENT

Conditioners & Coolers

Agra Erectors, Inc.
American Drynamics Inc.
Dammon-Croes S.A. (Belgium)
Davenport Machine & Foundry Co.
Dedert Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
Farm Fans, Inc.
French Oil Mill Machinery Company

For efficient, reliable processing and handling...


MTSB DRY DESTONER keeps accurate setting regardless of product flow rate. Up to 500 bu/hr capacity.
DOZD CRACKING ROLLER MILL uses centrifugally chilled cast iron rolls for capacities up to 500 t/day.
DMHX CENTRIFUGAL SIFTER separates meal up to 1800 sq ft/hr.
DOQA FLAKING ROLLER MILL meets highest demands. Low sound level; constructed with integrated feeder.

Increase the profit potential in your preparation building with Buhler-Miag equipment and experience.

Since 1927 Buhler-Miag has contributed significantly to the technology of grain and oilseed processing and handling. We offer our complete line of equipment for your preparation plant, from unloading of oilseeds to flaked product, as well as dust control systems and electrical control panels. Buhler-Miag can also assume responsibilities for process design, plant operational analysis, installation supervision and start-up services. We'll even help train your operators. Our representatives are available to increase your profit potential.

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Grain Systems, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Wenger International Inc.

Grain Dryers

Aeroglide Corp.
Agra Erectors, Inc.
American Drynamics Inc.
W.M. Barger & Associates, Inc.
Berico Industries
Buhler Brothers Ltd. (Switzerland)
Chief Industries, Inc.
Dammon-Croes S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Farm Fans, Inc.
Grain Systems, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
M & W Gear Company
Meyer Agri Products, Inc.
N. Hunt Moore & Associates, Inc.
Shivvers Incorporated
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Zimmerman Equipment Company

Meal Dryers

Agra Erectors, Inc.
American Drynamics Inc.
Crown Iron Works Co.
Davenport Machine & Foundry Co.
N.V. Extraction De Smet S.A. (Belgium)
Dedert Corporation
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
EMI Corporation
French Oil Mill Machinery Company
Charles Isdale & Associates, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

FLAKING & CRACKING EQUIPMENT

W.M. Barger & Associates, Inc.
Bauermeister, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products/ Ross Mills
Buhler-Miag, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Creason Corrugating & Machinery Co. Inc.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
J.R. Dykes Sales & Service Inc.
Fagrave S.A. (Colombia)
Franklin Miller Inc.
French Oil Mill Machinery Company
Hagan Manufacturing Co.
S. Howes Co., Inc.
Industrial Hardfacing, Inc.
Jeffrey Manufacturing Division, Dresser Industries, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Roskamp Mfg., Inc.
Simon-Rosedowns Ltd. (England)
Sprout-Waldron Division, Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)
Yamato Trading Co., Ltd. (Japan)

MEAL HANDLING EQUIPMENT

Hammer Mills

Agra Erectors, Inc.
W.M. Barger & Associates, Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
W.C. Cantrell Company
Champion Products, Inc.
Codema, Inc.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
J.R. Dykes Sales & Service Inc.
Franklin Miller Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
S. Howes Co., Inc.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Jacobson Machine Works, Inc.
Jeffrey Manufacturing Division, Dresser Industries, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
N. Hunt Moore & Associates, Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Quartz Technology, Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Troika Processes Pvt. Ltd. (India)

Pelleting Equipment

Agra Erectors, Inc.
W.M. Barger & Associates, Inc.
Blount Industrial Products/ Ross Mills
C.W. Brabender Instruments, Inc.
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
California Pellet Mill Co.
Cargill Agricola S.A. (Brazil)
Dammon-Croes S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
French Oil Mill Machinery Company
Goodwin Engineering & Trading Inc. (Taiwan)
Hagan Manufacturing Co.
I-Tung Machinery Industry Co., Ltd. (Taiwan)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Marina Milling & Grain Handling Co. Ltd. (Malta)
Quadro Engineering Inc. (Canada)
Sprout-Waldron Division, Koppers Company, Inc.
Troika Processes Pvt. Ltd. (India)

Pulverizing Equipment

Agra Erectors, Inc.
Alpine American Corporation
W.M. Barger & Associates, Inc.
Bauermeister, Inc.
Buhler Brothers Ltd. (Switzerland)
Codema, Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
Franklin Miller Inc.
Goodwin Engineering & Trading Inc. (Taiwan)
Jeffrey Manufacturing Division, Dresser Industries, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
N. Hunt Moore & Associates, Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Quartz Technology, Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Sturtevant, Inc.
Troika Processes Pvt. Ltd. (India)
Yamato Trading Co., Ltd. (Japan)

MILLING EQUIPMENT & SUPPLIES

(Recorrugation, Replacement Rolls)

Agra Erectors, Inc.
Alloy Specialists of Marshall, Inc.
W.M. Barger & Associates, Inc.
Gebr. Bauermeister & Co. (Fed. Rep. of Germany)
Blount Industrial Products/ Ross Mills
Carl G. Brimmekamp & Co., Inc.
Carter-Day Company
Creason Corrugating & Machine Co. Inc.
Dammon-Croes S.A. (Belgium)
J.R. Dykes Sales & Service Inc.
William C. Ellis and Sons Inc.
French Oil Mill Machinery Company
Jaygo, Incorporated
Metal Products International, Inc.
C.A. Picard, Inc.
Prater Industries, Inc.
Roskamp Mfg., Inc.
Sprout-Waldron Division, Koppers Company, Inc.
Urschel Laboratories, Inc.

PRESSES

Continuous Screw

Agra Erectors, Inc.
Anderson International
CE Bauer
Cast Alloy Products Co. (CASTCO)
Dabney-Hoover Supply Co., Inc.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dedert Corporation
DuVal Industrial Foreign Trade Corporation
J.R. Dykes Sales & Service, Inc.
EPE Incorporated
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
C.A. Picard, Inc.
Simon-Rosedowns Ltd. (England)

Hydraulic

Cargill Agricola S.A. (Brazil)

SCREENERS

Agra Erectors, Inc.
Alfa-Laval (Sweden)
W.M. Barger & Associates, Inc.
Blount Industrial Products/ Clipper
Blount Industrial Products/ Ross Mills
Buhler Brothers Ltd. (Switzerland)
Buhler-Miag, Inc.
W.C. Cantrell Company
Carter-Day Company
Champion Products, Inc.
Codema, Inc.
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N. Hunt Moore & Associates, Inc.
Prater Industries, Inc.
Quadro Engineering Inc. (Canada)
Rotex Inc.
Smico Manufacturing Corporation
Sprout-Waldron Division, Koppers Company, Inc.
SWECO, Inc.
Triple/S Dynamics, Inc.
Troika Processes Pvt. Ltd. (India)
The Witte Company

SOLVENT EXTRACTION EQUIPMENT

Agra Erectors, Inc.
Ross Brian and Associates, Inc.
Cargill Agricola S.A. (Brazil)
Chemical Agricultural Processes, Inc. (CAP)
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Crown Iron Works Co.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Dontech, Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
Dravo Engineers, Inc.
J.R. Dykes Sales & Service Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Charles Isdale & Associates, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Superior Welding Company
Tecator Inc.
Troika Processes Pvt. Ltd. (India)

SOLVENT RECOVERY

CONDENSERS

Agra Erectors, Inc.
Alfa-Laval (Sweden)
Ross Brian and Associates, Inc.
Crown Iron Works Co.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
Dravo Engineers, Inc.
EMI Corporation
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Charles Isdale & Associates, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
N. Hunt Moore & Associates, Inc.
Myers Engineers
Simon-Rosedowns Ltd. (England)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

FLAKE DESOLVENTIZERS

Normal/DT

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Ross Brian and Associates, Inc.
Cargill Agricola S.A. (Brazil)
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Crown Iron Works Co.
Dammon-Croes S.A. (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
French Oil Mill Machinery Company
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Simon-Rosedowns Ltd. (England)
Superior Welding Company
Troika Processes Pvt. Ltd. (India)

Flash/Vapor

Agra Erectors, Inc.
American Drynamics Inc.
Ross Brian and Associates, Inc.
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
French Oil Mill Machinery Company
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Troika Processes Pvt. Ltd. (India)

SOLVENT EXTRACTION DISTILLATION EQUIPMENT

Agra Erectors, Inc.
Alfa-Laval (Sweden)
American Drynamics Inc.
Ross Brian and Associates, Inc.
Cargill Agricola S.A. (Brazil)
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Crown Iron Works Co.
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
Do-Well Oil Plants Pvt. Ltd. (India)
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
French Oil Mill Machinery Company
Charles Isdale & Associates, Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)

Lurgi GmbH
(Fed. Rep. of Germany)
Masiero Industrial S.A.
(Brazil)
N. Hunt Moore &
Associates, Inc.
Myers Engineers
Oil & Fat Consulting N.V.
(Belgium)
Simon-Rosedowns Ltd.
(England)
Superior Welding Company
Tecator Inc.
Troika Processes Pvt. Ltd.
(India)

SOLVENT VAPOR DETECTION & CONTROL EQUIPMENT

Agra Erectors, Inc.
Ross Brian and
Associates, Inc.
Do-Well Oil Plants Pvt. Ltd.
(India)
ERDCO Engineering
Corporation
French Oil Mill
Machinery Company
Charles Isdale &
Associates, Inc.
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
N. Hunt Moore &
Associates, Inc.
Myers Engineers

SOLVENTS

Ashland Chemical Co.
Basic Products Group, Inc.
Cargill Agricola S.A. (Brazil)
Charter International Oil Co.
Drake Petroleum Company
Exxon Company, U.S.A.
Getty Refining &
Marketing Co.
Phillips Chemical Company

REFINING

AGITATORS/MIXERS (Liquid)

American Prochem

BLEACHING & FILTERING EQUIPMENT

APV CREPACO, Inc.
Agra Erectors, Inc.
Alfa-Laval (Sweden)
American Prochem
The Cambrian Engineering
Group Ltd. (Canada)
Chemical Agricultural
Processes, Inc. (CAP)
Costruzioni Meccaniche
Bernardini CMB S.p.A.
(Italy)
Dammon-Croes S.A.
(Belgium)
N.V. Extraction De Smet
S.A. (Belgium)
Diktic Inc.
Dontech, Inc.
Do-Well Oil Plants Pvt. Ltd.
(India)
J.R. Dykes Sales &
Service Inc.
EMI Corporation
Extraktionstechnik
Geselischaft fur
Anlagenbau GmbH
(Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Fractionnement Tirtaux
S.A. (Belgium)
French Oil Mill
Machinery Company
Franz Kirchfeld
GmbH & Co. KG
(Fed. Rep. of Germany)
Krupp Industrietechnik
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Lurgi GmbH
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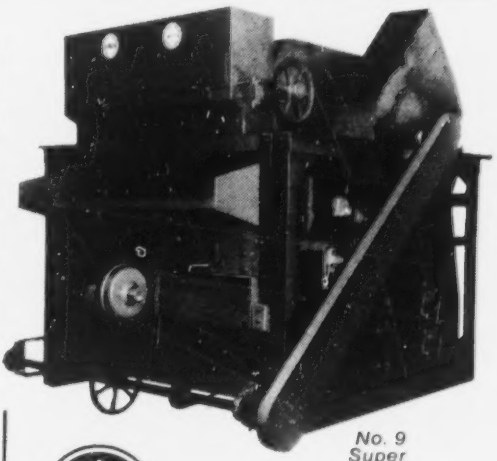

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Troika Processes Pvt. Ltd. (India)
Votator-Anco/Votator Division, Cherry-Burrell

BLEACHING CLAYS/EARTHS

C-Corp
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J.R. Dykes Sales & Service Inc.
Harshaw/Filtrol Partnership
Oil-Dri Corporation of America
Shriram Projects & Engineering Services (India)
Sud-Chemie AG (Fed. Rep. of Germany)
United Catalysts Inc.

CRUDE OIL STORAGE

Tanks, Liquid

N.V. Extraction De Smet S.A. (Belgium)
J.R. Dykes Sales & Service Inc.
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Sapulpa Tank Company
Superior Welding Company
Troika Processes Pvt. Ltd. (India)
Webco Tank, Inc.

DEGUMMING EQUIPMENT

Alfa-Laval (Sweden)
Ross Brian and Associates, Inc.
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N.V. Extraction De Smet S.A. (Belgium)
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Fagrave S.A. (Colombia)
Fractionnement Tirtaux S.A. (Belgium)
French Oil Mill Machinery Company
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Myers Engineers
Oil & Fat Consulting N.V. (Belgium)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

DEODORIZATION EQUIPMENT

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Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Desarrollo Industrial Ings. S.A. (Mexico)
Diktic Inc.
Dontech, Inc.
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Fractionnement Tirtaux S.A. (Belgium)
French Oil Mill Machinery Company
General Resource Corp.
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Shriram Projects & Engineering Services (India)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)
Votator-Anco/Votator Division, Cherry-Burrell

ELECTROLYZERS

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Dammon-Croes S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
Lurgi GmbH (Fed. Rep. of Germany)
Norsk Hydro Electrolysers (Norway)
Troika Processes Pvt. Ltd. (India)

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APV CREPACO, Inc.
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineers, Inc.
EMI Corporation
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Troika Processes Pvt. Ltd. (India)

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N.V. Extraction De Smet S.A. (Belgium)
Dravo Engineers, Inc.
EMI Corporation
Extraktionstechnik Gesellschaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)

Lurgi GmbH
(Fed. Rep. of Germany)
Oil & Fat Consulting N.V.
(Belgium)
Gebr. Paschedag GmbH
(Fed. Rep. of Germany)
Troika Processes Pvt. Ltd.
(India)

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N.V. Extraction De Smet
S.A. (Belgium)
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J.R. Dykes Sales &
Service Inc.
Goodwin Engineering &
Trading Inc. (Taiwan)
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
Masiero Industrial S.A.
(Brazil)
Star Systems
Filtration Division
Troika Processes Pvt. Ltd.
(India)

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APV CREPACO, Inc.
Alfa-Laval (Sweden)
Dammon-Croes S.A.
(Belgium)
N.V. Extraction De Smet
S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd.
(India)
Dravo Engineers, Inc.
J.R. Dykes Sales &
Service Inc.
Fagrave S.A. (Colombia)
French Oil Mill
Machinery Company
General Resource Corp.
Goodwin Engineering &
Trading Inc. (Taiwan)
Heat and Control, Inc.
Charles Isdale &
Associates, Inc.,
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
Lurgi GmbH
(Fed. Rep. of Germany)
Masiero Industrial S.A.
(Brazil)
Superior Welding Company
Troika Processes Pvt. Ltd.
(India)

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Fagrave S.A. (Colombia)
Harshaw/Filtrol Partnership
Sud-Chemie AG
(Fed. Rep. of Germany)
Tecator Inc.
Troika Processes Pvt. Ltd.
(India)
United Catalysts Inc.

HYDROGENATION EQUIPMENT

Alfa-Laval (Sweden)
American Prochem
The Cambrian Engineering
Group Ltd. (Canada)
Chemical Agricultural
Processes, Inc. (CAP)
Costruzioni Meccaniche
Bernardini CMB S.p.A.
(Italy)
N.V. Extraction De Smet
S.A. (Belgium)
Desarrollo Industrial Ings.
S.A. (Mexico)
Diktic Inc.
Do-Well Oil Plants Pvt. Ltd.
(India)
Dravo Engineers, Inc.
EMI Corporation
Extraktionstechnik
Gesellschaft fur
Anlagenbau GmbH
(Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
French Oil Mill
Machinery Company
Franz Kirchfeld
GmbH & Co. KG
(Fed. Rep. of Germany)
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
Lurgi GmbH
(Fed. Rep. of Germany)
Oil & Fat Consulting N.V.
(Belgium)
Process Systems, Inc. (PSI)
Shriram Projects &
Engineering Services
(India)
Simon-Rosedowns Ltd.
(England)
Troika Processes Pvt. Ltd.
(India)
Votator-Anco/Votator
Division, Cherry-Burrell

OIL DRYERS

Dammon-Croes S.A.
(Belgium)
N.V. Extraction De Smet
S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd.
(India)
J.R. Dykes Sales &
Service Inc.
EMI Corporation
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
Lurgi GmbH
(Fed. Rep. of Germany)
Process Systems, Inc. (PSI)
Shriram Projects &
Engineering Services
(India)
Troika Processes Pvt. Ltd.
(India)

REFINING EQUIPMENT & SUPPLIES

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Costruzioni Meccaniche
Bernardini CMB S.p.A.
(Italy)
N.V. Extraction De Smet
S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd.
(India)
J.R. Dykes Sales &
Service Inc.
EMI Corporation
Extraktionstechnik
Gesellschaft fur
Anlagenbau GmbH
(Fed. Rep. of Germany)
Franz Kirchfeld GmbH
& Co. KG
(Fed. Rep. of Germany)
Krupp Industrietechnik
GmbH (Fed. Rep. of
Germany)
Lurgi GmbH
(Fed. Rep. of Germany)
Masiero Industrial S.A.
(Brazil)
Oil & Fat Consulting N.V.
(Belgium)
Gebr. Paschedag GmbH
(Fed. Rep. of Germany)
Shriram Projects &
Engineering Services
(India)
Simon-Rosedowns Ltd.
(England)
Troika Processes Pvt. Ltd.
(India)
Westfaiia Separator AG
(Fed. Rep. of Germany)

Caustic/Alkali Suppliers

C-Corp
N.V. Extraction De Smet
S.A. (Belgium)
Shriram Projects &
Engineering Services
(India)

Physical

The Cambrian Engineering
Group Ltd. (Canada)

N.V. Extraction De Smet S.A. (Belgium)
EMI Corporation
Fractionnement Tirtaux S.A. (Belgium)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Simon-Rosedowns Ltd. (England)
Troika Processes Pvt. Ltd. (India)

SOAPSTOCK EQUIPMENT

Alfa-Laval (Sweden)
The Cambrian Engineering Group Ltd. (Canada)
Costruzioni Meccaniche Bernardini CMB S.p.A. (Italy)
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
Do-Well Oil Plants Pvt. Ltd. (India)
J.R. Dykes Sales & Service Inc.
EMI Corporation
Extraktionstechnik Geselischaft fur Anlagenbau GmbH (Fed. Rep. of Germany)
Fagrave S.A. (Colombia)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Oil & Fat Consulting N.V. (Belgium)
Troika Processes Pvt. Ltd. (India)
Votator-Anco/Votator Division, Cherry-Burrell

WINTERIZATION EQUIPMENT

Alfa-Laval (Sweden)
American Prochem
The Cambrian Engineering Group Ltd. (Canada)
Dammon-Croes S.A. (Belgium)
N.V. Extraction De Smet S.A. (Belgium)
J.R. Dykes Sales & Service Inc.
EMI Corporation
Fractionnement Tirtaux S.A. (Belgium)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Lurgi GmbH (Fed. Rep. of Germany)
Masiero Industrial S.A. (Brazil)
Oil & Fat Consulting N.V. (Belgium)
Gebr. Paschedag GmbH (Fed. Rep. of Germany)
Process Systems, Inc. (PSI)
Troika Processes Pvt. Ltd. (India)
Westfalia Separator AG (Fed. Rep. of Germany)

EDIBLE PRODUCT EQUIPMENT & SUPPLIES

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Hoffman-LaRoche Inc.
UOP Process Division, Biological and Food Products

MARGARINE EQUIPMENT

APV CREPACO, Inc.
Alfa-Laval (Sweden)
Cargill Agricola S.A. (Brazil)
N.V. Extraction De Smet S.A. (Belgium)
Dontech, Inc.
J.R. Dykes Sales & Service Inc.
EMI Corporation
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Oil & Fat Consulting N.V. (Belgium)
Votator-Anco/Votator Division, Cherry-Burrell

NITROGEN PROTECTION SYSTEMS

J.R. Dykes Sales & Service Inc.

SHORTENING EQUIPMENT

APV CREPACO, Inc.
Alfa-Laval (Sweden)
N.V. Extraction De Smet S.A. (Belgium)
Dontech, Inc.
J.R. Dykes Sales & Service Inc.
EMI Corporation
Fagrave S.A. (Colombia)
Franz Kirchfeld GmbH & Co. KG (Fed. Rep. of Germany)
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)
Oil & Fat Consulting N.V. (Belgium)
Votator-Anco/Votator Division, Cherry-Burrell

SOYMILK & TOFU EQUIPMENT & SYSTEMS

APV CREPACO, Inc.
Alfa-Laval (Sweden)
Bean Machines, Inc.
Bock Machine Company
Dontech, Inc.
EMI Corporation
Goodwin Engineering & Trading Inc. (Taiwan)
Novo Laboratories, Inc.
Okita Enterprises Inc.
Quadro Engineering Inc. (Canada)
Soya Technology Systems Ltd. (Singapore)
Ta Ti Hsing Machinery Co., Ltd. (Taiwan)
Takai Tofu & Soymilk Equipment Co. (Japan)
Westfalia Separator AG (Fed. Rep. of Germany)
Yamato Trading Co., Ltd. (Japan)

SOY PROTEIN EQUIPMENT & SUPPLIES

Bean Machines, Inc.
Ross Brian and Associates, Inc.
Dontech, Inc.
EMI Corporation
Krupp Industrietechnik GmbH (Fed. Rep. of Germany)

USED EQUIPMENT

Agra Erectors, Inc.
American Drynamics Inc.
W.M. Barger & Associates, Inc.
W.C. Cantrell Company
Codema, Inc.
Davenport Machine & Foundry Co.
Do-Well Oil Plants Pvt. Ltd. (India)
DuMond Company, Inc.
DuVal Industrial Foreign Trade Corporation
J.R. Dykes Sales & Service Inc.
EPE Incorporated
French Oil Mill Machinery Company
S. Howes Co., Inc.
Jaygo, Incorporated
Okita Enterprises Inc.

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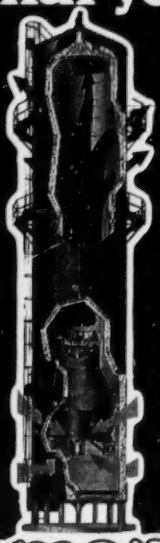

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Manufacturing Services

Addresses for these companies follow on page 144.

ANALYTICAL LABORATORIES

A & L Plains Laboratories, Inc.
Alfa-Laval (Sweden)
Arizona Testing Lab
Associated Laboratories
The Austin Company
Barrow Agee Laboratories Inc.
Chem-Staat Laboratories, Inc.
Curtis and Tompkins, Ltd.
N.V. Extraction De Smet S.A. (Belgium)
Fox Testing Laboratory Inc.
Geo. W. Gooch Laboratories, Ltd.
Hahn Laboratories
S. Howes Co., Inc.
Ingman Laboratories, Inc.
Iowa Testing Laboratories, Inc.
Jennings Laboratories Inc.
LaMura Laboratories, Inc.
Laucks Testing Laboratories Inc.
Law & Co.
New Jersey Feed Laboratory, Inc.
Nippon Yuryo Kentei Kyokai (Japan)
Oleaginosas Espanolas S.A. (OESA) (Spain)
Oliver Manufacturing Co., Inc.
POS Pilot Plant Corporation (Canada)
Pattison's Laboratories, Inc.
Pope Testing Laboratories Inc.
Porter Testing Laboratory
SGS Control Services Inc.
Southern Testing and Research
Southwell Laboratory Inc.
Southwestern Laboratories
Tenco Laboratories
Thionville Laboratories & Surveying Co. Inc.
The Twining Laboratories, Inc.
Wenger International Inc.
Woodson-Tenent Laboratories, Inc.

COMPUTER PROCESS CONTROL (Hardware, Software, Programming)

Control Enterprises, Inc.

CONSTRUCTION CONTRACTORS

COMPLETE PLANTS

APV CREPACO, Inc.
Agra Erectors, Inc.
Alfa-Laval (Sweden)
Alfa-Laval, Inc., Sullivan Systems Division
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CONTACT: Lynn Hawkins
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CONTACT: G. W. Lyons
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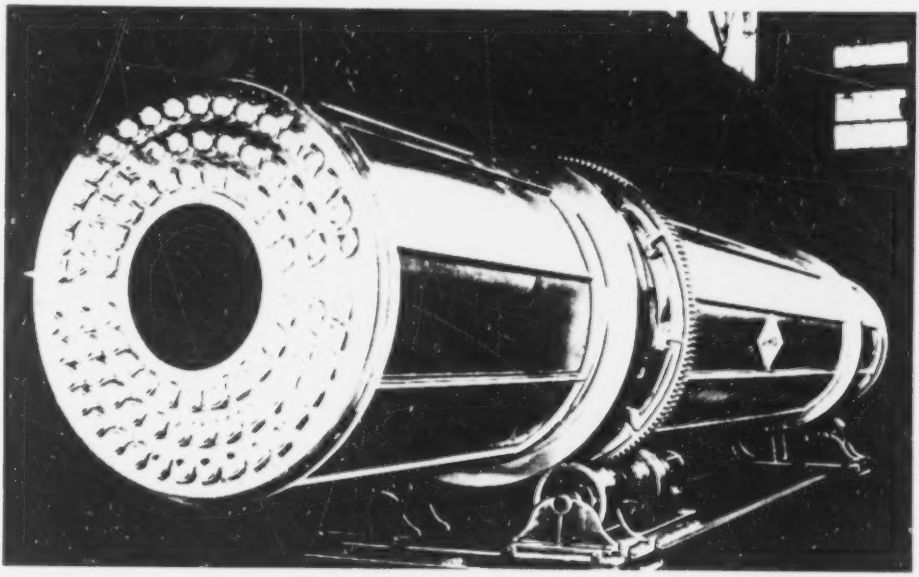

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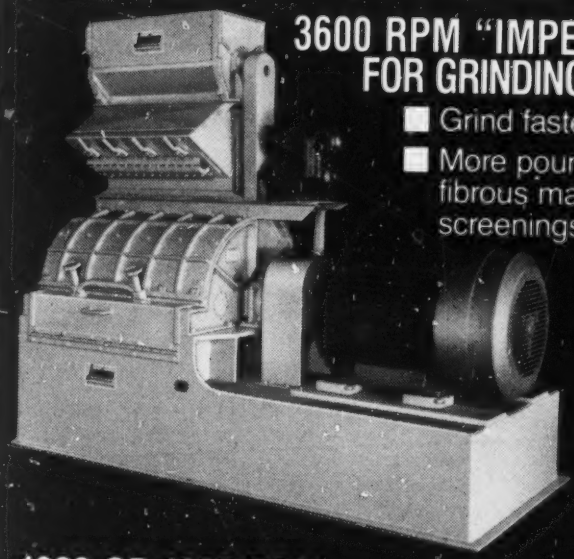

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CONTACT: Lyle Edgecombe
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CONTACT: Donald Armstrong
PRODUCTS & SERVICES UNDER: Manufacturing and Soy Product Processing Equipment and Supplies; Manufacturing Services

HAHN LABORATORIES
1111 Flora St., P.O. Box 1177,
Columbia, SC 29202, Ph. 803-799-1614.
CONTACT: Edward R. Hahn
SERVICES UNDER: Manufacturing Services

HARSHAW/FILTROL PARTNERSHIP ★
30100 Chagrin Blvd., Cleveland, OH 44124,
Ph. 216-292-9200; TLX: 196137.
CONTACT: R.C. Hastert
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

HAYES & STOLZ INDUSTRIAL MFG. CO., INC. ★
3521 Hemphill St., P.O. Box 11217,
Fort Worth, TX 76109-0217, Ph. 817-926-3391;
TLX: 792854 (HAYESSTOLZ FTW).
CONTACT: Mark Hayes
PRODUCTS UNDER: Manufacturing Equipment & Supplies

HEAT AND CONTROL, INC. ★
225 Shaw Rd., South San Francisco, CA 94080,
Ph. 415-871-9234; TLX: 349447 (HEATCO).
CONTACT: Steve Leary
PRODUCTS & SERVICES UNDER: Manufacturing and Soy Product Processing Equipment & Supplies; Manufacturing Services

HOFFMAN-LA ROCHE INC. ★
Roche Chemical Division
340 Kingsland St., Nutley, NJ 07110,
Ph. 201-235-5000.
CONTACT: Ag & Animal Health Dept.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

HONEYWELL/PROCESS CONTROL DIVISION ★
1100 Virginia Dr., Fort Washington, PA 19034,
Ph. 215-641-3000; TLX: 846398.
CONTACT: Carl Garcia
PRODUCTS UNDER: Manufacturing Equipment & Supplies

HOUSTON PUBLIC GRAIN ELEVATOR
P.O. Box 2562, Houston, TX 77252,
Ph. 713-670-2563;
TLX: 792623 (HOU PUB HOU).
CONTACT: Paul Stapp
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

HOWE RICHARDSON COMPANY
680 Van Houten Ave., Clifton, NJ 07015,
Ph. 201-471-3400;
TLX: 133446 (HOWERICH CLF).
CONTACT: Robert Westdyk
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

S. HOWES CO., INC. ★
Howard St., Silver Creek, NY 14136,
Ph. 716-934-2611;
TWX: 510-246-6935 (S HOWES SLCK).
CONTACT: Bob Marsh or Fred Sikorski
PRODUCTS & SERVICES UNDER: Manufacturing and Soy Product Processing Equipment & Supplies; Manufacturing Services

J.M. HUBER CORP. ★
Clay Division
Route 4 Huber, Macon, GA 31298,
Ph. 912-745-4751;
TLX: 544438 (JM HUBER HUBR).
CONTACT: Gary C. Schultz
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

I

I-TUNG MACHINERY INDUSTRY CO., LTD. ★
No. 15, Lane 523, Cheng Teh Rd., Taipei 104, Taiwan. Ph. 594-2116, 594-2117 or 594-2118;
TLX: 28815 (GOODWINC).
CONTACT: L. S. Lee, Pres.
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

INDUSTRIAL HARDFACING, INC. ★
215 E. Main, Lamoni, IA 50140,
Ph. 515-784-6921 or 800-247-7778.
Other office: Elk River, MN.
CONTACT: Ernie Mitchell, VP Mktg. & Sales
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

INDUSTRY GENERAL CORPORATION ★
5384 Poplar Ave., Suite 500, P.O. Box 17221,
Memphis, TN 38187-0221, Ph. 901-682-3314;
TLX: 534884 (DAVCO MFS UD).
CONTACT: David L. Portman
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Manufacturing Services

INGMAN LABORATORIES, INC. ★
2945 34th Ave. S., Minneapolis, MN 55406,
Ph. 612-724-0121.
CONTACT: Robert C. Ingman
SERVICES UNDER: Manufacturing Services

INTERNATIONAL FOUNDATION FOR AGRICULTURAL DEVELOPMENT ★
2707 Old Dominion Dr., Suite 240,
McLean, VA 22101.
CONTACT: Robert Fondahn
SERVICES UNDER: Manufacturing Services

INTERSYSTEMS, INC. ★
Parsons Division
Rt. 1, Box 121A, Roanoke, IL 61561,
Ph. 309-923-2211. Other office: Omaha, NE.
CONTACT: Terry Tucker, VP Mktg.
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

IOWA TESTING LABORATORIES, INC. ★
Highway 17 North, P.O. Box 188,
Eagle Grove, IA 50533, Ph. 515-448-4741.
CONTACT: Jack W. Henry, Steve Grisamore or Paul Bjelica
SERVICES UNDER: Manufacturing Services

CHARLES ISDALE & ASSOCIATES, INC. ★
Round Barn Box 3246, Champaign, IL 61821,
Ph. 217-351-3117; TWX: 910-350-5249 (CEI UD)
CONTACT: Charles E. Isdale, Sr.
PRODUCTS & SERVICES UNDER: Manufacturing and Soy Product Processing Equipment & Supplies; Manufacturing Services

J

JACOBSON MACHINE WORKS, INC. ★
2445 Nevada Ave. N., Minneapolis, MN 55427,
Ph. 612-544-8781;
TLX: 290772 (JACOBSON GOVY).
CONTACT: Chris Mol or Larry Nelson
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

JAHAM MANUFACTURING CO., INC.
P.O. Box 365, Warrensburg, IL 62573,
Ph. 217-672-3588.
CONTACT: Thomas Hamilton, Pres.
PRODUCTS UNDER: Manufacturing Equipment & Supplies

JAYGO, INCORPORATED ★
40 Whitney Rd., Mahwah, NJ 07430,
Ph. 201-848-0200; TLX 130334 (JAYGO HATN).
CONTACT: John Hayday
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

JEFFREY MANUFACTURING DIVISION DRESSER INDUSTRIES INC. ★
P.O. Box 3080, Greenville, SC 29602,
Ph. 803-476-7523.
CONTACT: Jim Gibson
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JENNINGS LABORATORIES INC. ★
1118 Cypress Ave., Virginia Beach, VA 23451,
Ph. 804-425-1498.
CONTACT: W.H. Jennings
SERVICES UNDER: Manufacturing Services

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PETER KALUSTIAN ASSOCIATES, INC. ★
239 Reserve St., Boonton, NJ 07005,
Ph. 201-334-3008; TLX: 136363.
CONTACT: Peter Kalustian, Pres.
SERVICES UNDER: Manufacturing Services

KAPPELE WRIGHT & MACLEOD LTD. ★
20 Queen St. West, P.O. Box 19, Toronto, Ont,
M5H 3R3 Canada, Ph. 416-593-1213;
TWX: 610-491-2131.
Other office: Philadelphia, PA.

CONTACT: J.W. Wright, VP
SERVICES UNDER: Manufacturing Services

KICE METAL PRODUCTS CO., INC. ★
2040 S. Mead, P.O. Box 11388,
Wichita, KS 67202, Ph. 316-267-4281;
TLX: 3740738 (KICE WICH).
CONTACT: J.D. Kice or Robert Kice
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

FRANZ KIRCHFELD GmbH & CO. KG ★
Koenigsallee 17, 4000 Duesseldorf,
Fed. Rep. of Germany, Ph. 83981;
TLX: 08581999 (FKD D); TWX: 211-8398413.
CONTACT: Mr. Haucke, Mr. Hoemke or Mr. Neelsen
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Manufacturing Services

KRUPP INDUSTRIETECHNIK GmbH ★
Werk Harburg, 2100 Hamburg,
Fed. Rep. of Germany, Ph. 771791;
TLX: 217777 (HEBH D).
CONTACT: Jurgen Werner
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Manufacturing Services

L

LAKELAND ENGINEERING EQUIPMENT CO.
5735 Lindsay St., Minneapolis, MN 55422,
Ph. 612-544-0321.
CONTACT: Thomas Moll
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

LaMURA LABORATORIES, INC. ★
1314 4th St. S.W., Mason City, IA 50401,
Ph. 515-424-9461.
CONTACT: Donna LaMura
SERVICES UNDER: Manufacturing Services

LANGSTON BAG COMPANY ★
2714 Union Ave. Ext., P.O. Box 12230,
Memphis, TN 38112, Ph. 901-454-1100;
TWX: 810-591-5798.
CONTACT: M.L. Duffey, VP Sales
PRODUCTS UNDER: Manufacturing Equipment & Supplies

LAUCKS TESTING LABORATORIES INC. ★
940 South Harney St., Seattle, WA 98108,
Ph. 206-767-5060.
CONTACT: Jim Owens
SERVICES UNDER: Manufacturing Services

LAW & CO. ★
1763 Montreal Circle, Tucker, GA 30084,
Ph. 404-934-8200.
CONTACT: William W. McBee
SERVICES UNDER: Manufacturing Services

LEMBECK ASSOCIATES, INC. ★
7900 College Blvd., Overland Park, KS 66210,
Ph. 913-451-3157.
CONTACT: Henry G. Lembeck, Pres.
SERVICES UNDER: Manufacturing Services

LURGI GmbH ★
Gervinus-Strasse 17/19, 6000 Frankfurt/Main,
Fed. Rep. of Germany, Ph. 1573802;
TLX: 412360 (LG D).
CONTACT: Georg Penk
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LUTTRELL BELTING & SUPPLY CO., INC. ★
311 Belz Blvd. E., P.O. Box 9005,
Memphis, TN 38109, Ph. 901-774-5001.
CONTACT: L.W. Luttrell or William S. Holbrook
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M & W GEAR COMPANY ★
Rt. 47 S., Gibson City, IL 60936,
Ph. 217-784-4261;
TWX: 910-663-4310 (MWGCY).
CONTACT: John Smith
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MCC POWERS
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Ph. 312-272-9555; TLX: 206283.
CONTACT: Jim Leman
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Ph. 203-272-2257.
CONTACT: Fred Palmer
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CONTACT: M.P. Calascione
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MASIERO INDUSTRIAL S.A. ★
Rua Sebastiao Ribeiro 844, Jau, SP, Brasil,
17.200, Ph. 22-5666; TLX: 142-220 (MASI BR).
Other office: Sao Paulo
CONTACT: Jose Israel Maziero
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MATHEWS EQUIPMENT COMPANY ★
500 Industrial Ave., Crystal Lake, IL 60014,
Ph. 815-459-2210; TLX: 722488.
CONTACT: Phil Farr

PRODUCTS UNDER: Manufacturing Equipment & Supplies

DAVY McKEE CORPORATION ★
10 S. Riverside Plaza, Chicago, IL 60606, Ph. 312-454-3800; TLX: 254562 (DAVMCKEE CGO). Other offices: Berkley Heights, NJ; London, England; Frankfort, Fed. Rep. of Germany.
CONTACT: C.K. Dietz, VP, Mktg. & Sales
SERVICES UNDER: Manufacturing Services

MEIJI MILK PRODUCTS CO., LTD. ★
3-6, Kyobashi, 2-chome, Tokyo 104, Japan, Ph. 274-5198; TLX: 222-2404 (MEINYUJ).
CONTACT: Takao Watanabe, Dev. Plng.
SERVICES UNDER: Manufacturing Services

MENU MAGIC FOODS ★
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1717 W. 10th St., Indianapolis, IN 46222, Ph. 317-635-9500.
CONTACT: C.R. Lewis, Reg. Sales Mgr.
SERVICES UNDER: Manufacturing Services

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P.O. Box 1524, Greenwich, CT 06830, Ph. 203-531-5957; TLX: 643289 (MPI GRC).
CONTACT: Ernest F. Trescher
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

MEYER AGRI PRODUCTS, INC. ★
400 Detroit Ave., Morton, IL 61550, Ph. 309-263-1100; TWX: 510-100-4613 (MEYERAGRIMOR UD).
CONTACT: Gary Kinder, Exec. VP
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

MID-AMERICA PRODUCTS, INC.
P.O. Box 147, Taylorville, IL 62568, Ph. 217-824-9671.
CONTACT: Howard Maxwell, Sls. Mgr.
PRODUCTS UNDER: Manufacturing Equipment & Supplies

MIKROPUL CORPORATION
10 Chatham Rd., Summit, NJ 07901, Ph. 201-273-6360; TLX: 138157 (MIKROPUL SUMT).
CONTACT: Penelope Leighton
PRODUCTS & SERVICES UNDER: Manufacturing Equipment & Supplies; Manufacturing Services

MIXING EQUIPMENT CO., INC. ★
Unit of General Signal
135 Mt. Read Blvd., P.O. Box 1370, Rochester, NY 14603, Ph. 716-436-5550; TLX: 978244 (MIXCO ROC). Other offices: Chicago, IL; Cedar Rapids, IA; New York, NY.
CONTACT: Chan Coyle
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N. HUNT MOORE & ASSOCIATES, INC. ★
3951 Senator St., P.O. Box 18599, Memphis, TN 38181-0599, Ph. 901-362-3267; TLX: 53890 (HUNTMOORE MFS).
CONTACT: N. Hunt Moore
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3477 University Ave. N.E., Minneapolis, MN 55418, Ph. 612-789-3541.
CONTACT: John Dyrseth, Sr. Sales Engr.
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267 Vreeland Ave., P.O. Box 300, Paterson, NJ 07543, Ph. 201-345-6200.
CONTACT: Tom Saley
PRODUCTS UNDER: Manufacturing Equipment & Supplies

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P.O. Box 1493, Decatur, IL 62525, Ph. 217-429-2704.
CONTACT: Noel W. Myers
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N

NEUERO CORPORATION ★
1201 Hawthorne Lane, West Chicago, IL 60185, Ph. 312-231-9020; TLX: 21039 (NERO UR).
CONTACT: Michael W. Hill, VP Sales
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

NEW JERSEY FEED LABORATORY, INC. ★
910 Pennsylvania Ave., CN 06650, Trenton, NJ 08650, Ph. 609-392-8818; TWX: 510-681-8425 (NJFEEDLAB TRN).
CONTACT: Carl W. Schulze, Pres.
SERVICES UNDER: Manufacturing Services

NEWELL MACHINERY CO., INC. ★
5501 North Towne Place N.E., Cedar Rapids, IA 52402, Ph. 319-393-1610.
CONTACT: Jon W. Janda, Pres.
PRODUCTS & SERVICES UNDER: Manufacturing and Soy Product Processing Equipment & Supplies; Manufacturing Services

NIPPON YURYO KENTEI KYOKAI ★
No. 9, Kaigan-Dori, 3-chome, Naka-Ku, Yokohama 231, Japan, Ph. 201-8337; TLX: 3823-123 (NYKK J). Other offices: Chiba, Kashima, Kobe.
CONTACT: Akira Hinokuma, Pres.
SERVICS UNDER: Manufacturing Services

NORSK HYDRO ELECTROLYSERS ★
P.O. Box 70, N-3671 Notodden, Norway, Ph. 36-17100; TLX: 21124 (HYDRO N).
CONTACT: Sales Dept.

PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

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59 Danbury Rd., Wilton, CT 06897,
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TLX: 2964385 (NOVOLABS WILT).
CONTACT: Robert J. Malley or Robert J. Petrowski
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

O

OHAUS SCALE CORP. ★
29 Hanover Rd., Florham Park, NJ 07932,
Ph. 201-377-9000; TLX: 136518.
CONTACT: Mike Campbell, Ind. Prod. Mgr.
PRODUCTS & SERVICES UNDER: Manufacturing Equipment & Supplies; Manufacturing Services

OIL & FAT CONSULTING N.V.
88 Aarlenstraat, Brussels B-1040, Belgium,
Ph. 234-4111 or 234-4425; TLX: 64860 (TRACT B).
CONTACT: E. De Boevere
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OIL-DRI CORPORATION OF AMERICA ★
520 N. Michigan Ave., Chicago, IL 60611,
Ph. 312-321-1515 or 800-621-7191. Other offices: Ochlocknee, GA; Ripley, MS; Portland, OR; Wisbech, England.
CONTACT: Mark Johnson, Gen. Mgr.
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

OKITA ENTERPRISES INC. ★
20631 E. Valley Blvd., Walnut, CA 91789,
Ph. 714-595-0993.
CONTACT: Eddie Okita, Pres.
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Nunez de Balboa, 108, 28006 Madrid, Spain,
Ph. 411-4613; TLX: 45302 & 46918 (OLEA E).
Other office: Barcelona
CONTACT: Juan Zamorano, Tech. Dir.
SERVICES UNDER: Manufacturing Services

OLIVER MANUFACTURING CO., INC. ★
17777 Hwy. 50, P.O. Box 512,
Rocky Ford, CO 81067, Ph. 303-254-7814.
CONTACT: William J. Donnell
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OXFORD ANALYTICAL INSTRUMENTS LTD. ★
20 Nuffield Way, Abingdon OX14 1TX, England,
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CONTACT: B. A. Jones, Sls. & Mktg. Mgr.
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P

POS PILOT PLANT CORPORATION ★
118 Veterinary Rd., U of S Campus, Saskatoon, Saskatchewan, S7N 2R4, Canada,
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CONTACT: Roy Carr, Exec. Dir.
SERVICES UNDER: Manufacturing Services

PT COMPONENTS, INC. ★
7545 Rockville Rd., Box 802,
Indianapolis, IN 46206, Ph. 317-241-9201;
TLX: 27349 (LB BRG WD).
CONTACT: Tom Hesse
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PACIFIC SCIENTIFIC
Gardner/Neotec Instrument Div.
2431 Linden Ln., Silver Spring, MD 20910,
Ph. 301-495-7000 or 800-638-2790; TLX: 908161 (PACSCI); TWX: 710-825-9766 (PAC SCISUR).
CONTACT: Judy Beier
PRODUCTS UNDER: Manufacturing Equipment & Supplies

GEBR. PASCHEDAG GmbH ★
Gesellschaft fur Extraktionstechnik
Lennebrokstr. 18, P.O. Box 1363,
4720 Beckum, Fed. Rep. of Germany,
Ph. 2164, TLX: 89479 (PASIN D).
CONTACT: Theodor Paschedag
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PATTISON'S LABORATORIES, INC. ★
211 E. Monroe, P.O. Box 346,
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CONTACT: Patricia A. Buttery, Pres.
SERVICES UNDER: Manufacturing Services

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14th Floor, Phillips Bldg., Bartlesville, OK 74004,
Ph. 918-661-0875, 800-858-4327 (U.S.) or 800-692-4045 (TX).
CONTACT: W.R. Pullin
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

C.A. PICARD, INC. ★
Suite X, 1710 E. Guthrie Ave.,
Des Moines, IA 50316, Ph. 515-266-3702.
Main office: Battle Creek, MI.
CONTACT: Lon Smallridge, Sls. Mgr.
PRODUCTS UNDER: Soy Product Processing Equipment & Supplies

PONNDORF MASCHINENFABRIK GmbH
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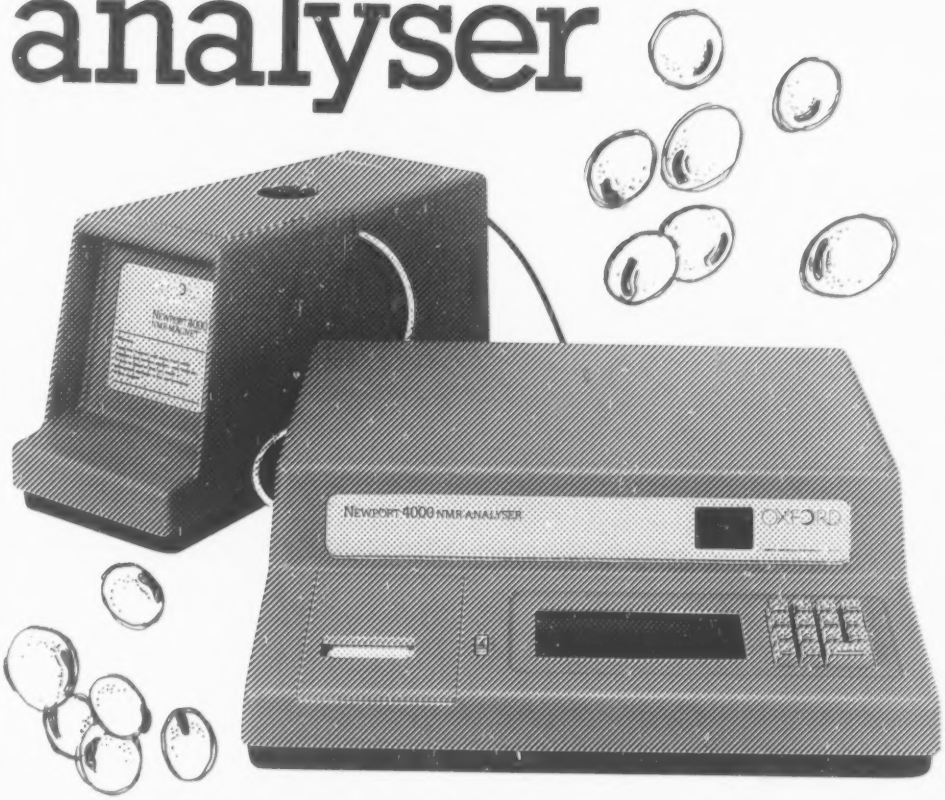

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England
Telephone (0235) 32123
Telex 83621

Analytical Marketing Inc
1 Dundee Park
Andover
Massachusetts 01810
Telephone (617) 470 3700

CONTACT: Peter Boll
PRODUCTS UNDER: Manufacturing Equipment & Supplies

POPE TESTING LABORATORIES INC. ★
2618½ Main St., P.O. Box 903,
Dallas, TX 75221, Ph. 214-742-8491.
CONTACT: Leon Hunter
SERVICES UNDER: Manufacturing Services

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920 E. Grove St.,
Bloomington, IL 61702-2847, Ph. 309-829-1235.
CONTACT: Don Lomen
PRODUCTS UNDER: Manufacturing Equipment & Supplies

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CONTACT: James S. Daves
SERVICES UNDER: Manufacturing Services

PRATER INDUSTRIES, INC. ★
1515 S. 55th Ct., Chicago, IL 60650,
Ph. 312-656-8500;
TLX: 284312 (PRATER CO CGO).
CONTACT: Jay R. Howell, VP
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

PROCESS MECHANICAL, INC. ★
Subsidiary of
Westinghouse Electric Corporation
7420 Unity Ave., N., Minneapolis, MN 55443,
Ph. 612-566-8338.
CONTACT: Dalton Larson
SERVICES UNDER: Manufacturing Services

PROCESS SYSTEMS, INC. (PSI) ★
4466 Elvis Presley Blvd., Suite 300,
Memphis, TN 38116, Ph. 901-345-8760;
TWX: 810-591-1122 (PSI MFS).
CONTACT: Philip A. Bollheimer, Gen. Mgr., Edible Oil Group
PRODUCTS & SERVICES UNDER: Soy Product Processing Equipment & Supplies; Manufacturing Services

PULLMAN LEASING COMPANY
200 S. Michigan Ave., Chicago, IL 60604,
Ph. 312-322-7070.
CONTACT: Neil G. Johnson, VP Sales
PRODUCTS UNDER: Manufacturing Equipment & Supplies

Q

QUADRO ENGINEERING INC. ★
613 Colby Dr., Waterloo, Ontario N2V 1A1,
Canada, Ph. 519-884-9660; TLX: 069-55260.
Other offices: River Vale, NJ; Hemel Hemstead, England.
CONTACT: David Adams, Sls. Mgr.
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

QUARTZ TECHNOLOGY, INC. ★
261 W. 35th St., New York, NY 10001,
Ph. 212-244-2623; TLX: 9613332 (QMAT WERY)
CONTACT: Donna Farrell
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

R

R.B.R. SCALES, INC. ★
1601 S. Sinclair, Unit L,
Anaheim, CA 92806, Ph. 714-978-2588.
CONTACT: K. Bruce Bailey, Natl. Mktg. & Sales Mgr.
PRODUCTS UNDER: Manufacturing Equipment & Supplies

THE RAPAT CORPORATION ★
Hawley Industrial Park, Hawley, MN 56549,
Ph. 218-483-3344.
CONTACT: Dennis Wamre, Sales Mgr.
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CONTACT: Carl Rosa
PRODUCTS UNDER: Manufacturing Equipment & Supplies

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620 Andrews Ave., P.O. Box 367,
Kewanee, IL 61443, Ph. 309-853-4461.
CONTACT: Robert Martin, VP Mktg.
PRODUCTS UNDER: Manufacturing Equipment & Supplies

RILEY EQUIPMENT, INC. ★
2825 Old Decker Rd., P.O. Box 435,
Vincennes, IN 47591, Ph. 812-886-5500.
CONTACT: Charles G. Riley, Bill Gish or Edward Hagemeier
PRODUCTS UNDER: Manufacturing Equipment & Supplies

DENNIS E. ROBY & ASSOCIATES INC. ★
1900 E. Eldorado, P.O. Box 1425,
Decatur, IL 62525, Ph. 217-429-4412.
TLX: 384258 (DER INTL).
CONTACT: Bryan Mikeworth
SERVICES UNDER: Manufacturing Services

GEORGE A. ROLFES COMPANY
P.O. Box 458, Boone, IA 50036,
Ph. 515-432-3300;
TWX: 910-520-2431 (GEO ROLFS BNOE).

CONTACT: Myron Oliver, Sales Mgr.
PRODUCTS UNDER: Manufacturing Equipment & Supplies

ROSKAMP MFG., INC. ★
2975 Airline Circle, Waterloo, IA 50703,
Ph. 319-232-8444;
TLX: 287549 (287549 ROSK UR).
CONTACT: Mark Kessler, Sales Mgr.
PRODUCTS UNDER: Manufacturing and Soy Product Processing Equipment & Supplies

ROTEX INC. ★
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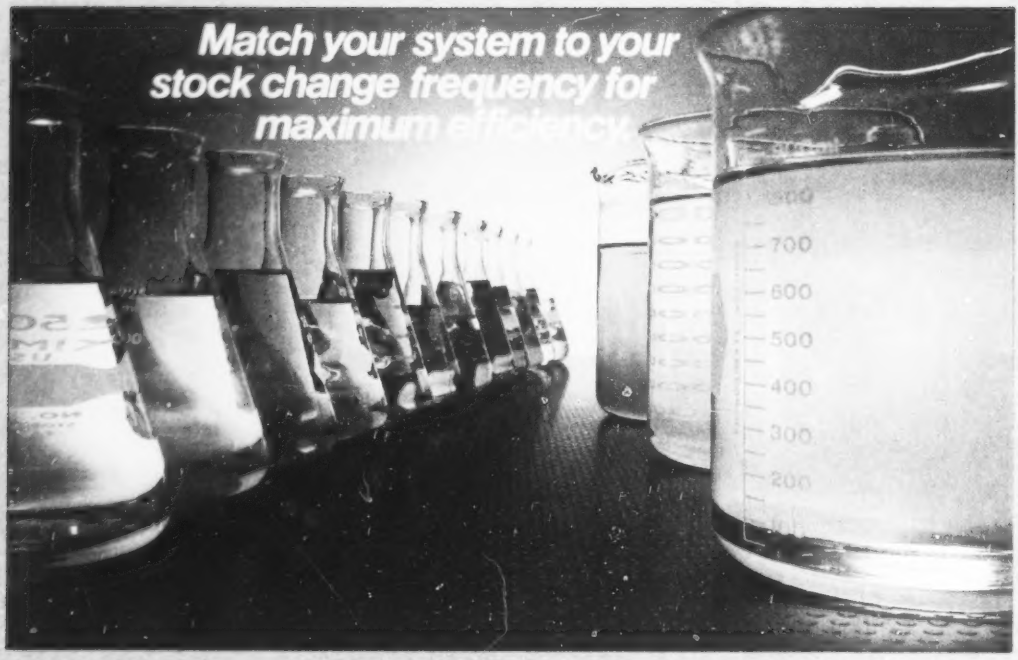

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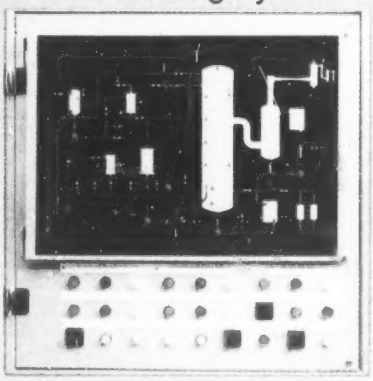

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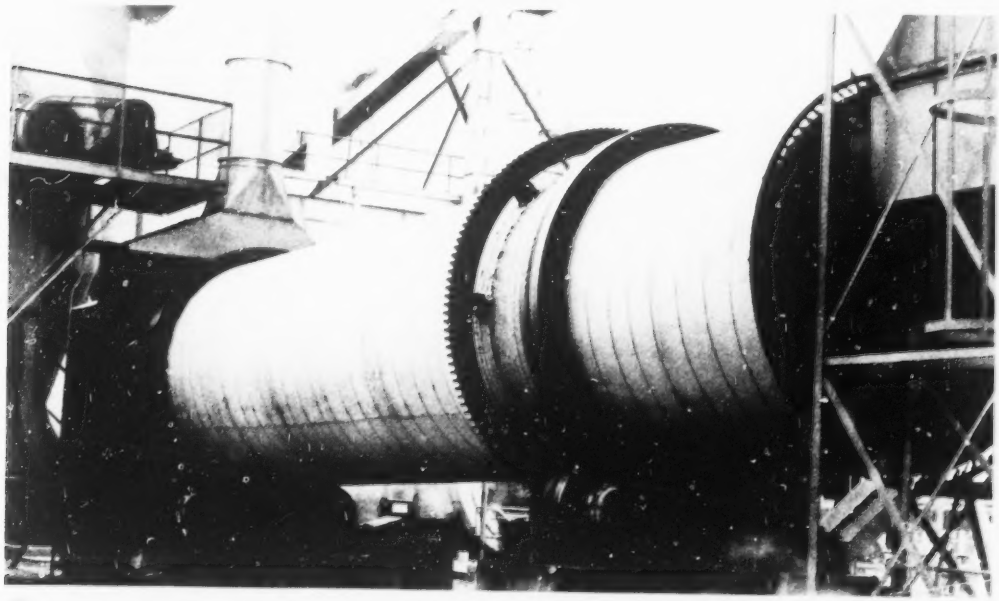

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CONTACT: Lorenzo Savini, Soybean Mgr.

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CONTACT: Hong Nguang Tan or Ms. Tan

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CONTACT: Donald C. Huffman

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CONTACT: James E. Sebbens

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CONTACT: Mktg. & Sales (514-877-5427 or 514-877-5118).

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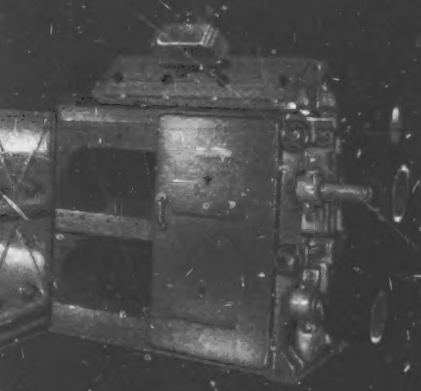

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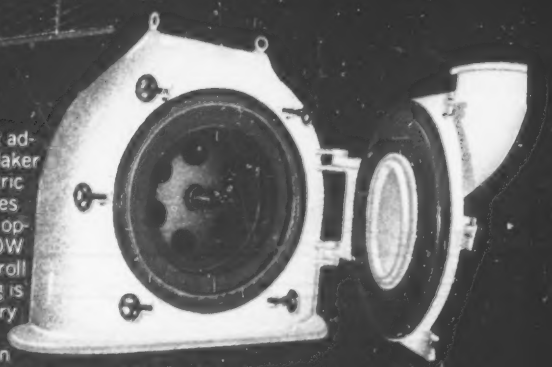

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105 Pine St., P.O. Box 211, Dieterich, IL 62424,
Ph. 217-925-5212; TWX: 910-663-2660 (SCHULTZ DTRK).
CONTACT: Jack Schultz, Pres.

STEWART HYBRIDS, INC.
R.R. 1, Princeville, IL 61559,
Ph. 309-385-4832.
CONTACT: Dana Stewart or Marian Ness

STRAYER SEED FARMS, INC. ★
162 West 58, Hudson, IA 50643, Ph. 319-988-4187;
TWX: 910-520-2010 (TELEWORLD WDMS).
CONTACT: Dennis Strayer, Mgr.

TERRAL-NORRIS SEED CO., INC. ★
P.O. Box 826, Lake Providence, LA 71254,
Ph. 318-559-2840.
CONTACT: Tom Terrel or Larry Mullen

WILKEN SEED GRAINS, INC. ★
Rt. 4, Box 133, Pontiac, IL 61764,
Ph. 815-844-3458.
CONTACT: Gene S. Swartz

SUPPLIERS OF SOYBEANS FOR FOOD USE

AMERICAN FARMERS EXPORT CORP. ★
P.O. Box 224, Clarksville, TN 37040,
Ph. 615-552-3846; TLX: 705792 (AFMC UAD).
Other office: Louisville, KY.
CONTACT: Thomas Chambers

CHERWELL VALLEY SILOS LTD. ★
Twyford, Banbury, Oxfordshire OX17 3AA,
England, Ph. 811441; TLX: 83477 (CVSBAN G).
Other offices: 76370 Neuville les Dieppe, France;
B-9050 Evergem, Belgium.
CONTACT: James Hoy, Trader

COUNTRY BRAND SEEDS, INC. ★
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319-233-5504; TLX: 465650 (JEDGRAIN CFLS).
CONTACT: Gene Sullivan

ETS. PAUL FEIGHER ★
1, Rue du Dome, 1, 75116 Paris, France,
Ph. 704-6235 or 727-6202;
TLX: 611097 (FEIGHER F).
CONTACT: Paul Feigher

GLOBAL ENTERPRISES LTD. ★
P.O. Box 6369, Springfield, IL 62708,
Ph. 217-753-1160; TLX: 503083 (GLOBALENT).
CONTACT: Jack Crifasi, Pres.

GLOBAL NUTRAMEAL, INC. ★
R.R. Box 6122, Spirit Lake, IA 51360,
Ph. 712-337-3376.
CONTACT: Kirk Stauss, Pres.

GURLEY'S, INC. ★
Subsidiary of Illinois Cereal Mills, Inc.
404 E. Preston St., P.O. Box 388,
Selma, NC 27576, Ph. 919-965-2303;
800-672-8131 (NC); 800-334-9631 (U.S.)
CONTACT: Herman Kurrelmeier

JACOB HARTZ SEED CO., INC. ★
North Park Ave., Box 946, Stuttgart, AR 72160,
Ph. 501-673-8565;
TWX: 910-720-6244 (HARTZSEED).
CONTACT: Jim Craig, Chris Hartz, Keith Thompson or Martha Tipton

HONG GUAN HUAT LEE ★
No. 2, Lorong 24A, Geylang Rd.,
Singapore 1439, Rep. of Singapore,
Ph. 7444808 or 7445711.
CONTACT: Hong Nguang Tan or Ms. Tan

HYBCO U.S.A. ★
P.O. Box 132, Reseda, CA 91335,
Ph. 818-705-4878; TLX: 215845 (HYBC).
CONTACT: David Kashani, Mgr.

KALYAN SOLVENT EXTRACTION LTD. ★
53 Bajaj Bhawan, Nariman Point,
Bombay 400021, India, Ph. 202-4907 or 202-2087;
TLX: 011-3187 (MOON IN). Other offices: Dewas and Indore, MP, India.
CONTACT: K. C. Barjatya, Mgr. Dir.

MIDWEST SOYA INTERNATIONAL, INC. (MSI) ★
814 N. 5th St., Box 537, Clear Lake, IA 50428,
Ph. 515-357-6131.
CONTACT: Kim Pleggenkuhle, Mgr.

PACIFIC SOYBEAN & GRAIN INC. ★
495 DeHaro St., San Francisco, CA 94107,
Ph. 415-863-0867; TLX: 299802 (EWINCO).
CONTACT: Daniel Burke, Pres.

PRO-SEED INC. ★
236 Sugar St., Box 55, Blissfield, MI 49228,
Ph. 517-486-3520; TLX: 241046 (SEAWAY FWD TOL).
CONTACT: Ronald M. Jacob, VP

PROTEA CHEMICAL SERVICES PTY. LTD. ★
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CONTACT: H. Egberink, Mgr. Dir.

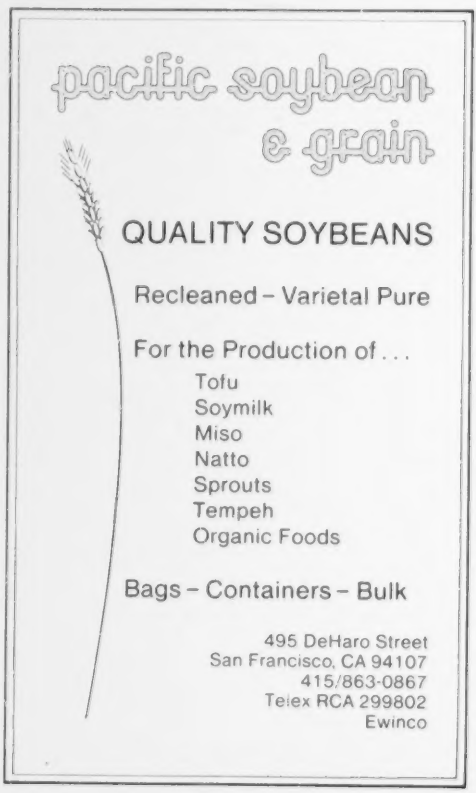
J.M. SCHULTZ SEED COMPANY ★
105 Pine St., P.O. Box 211, Dieterich, IL 62424,
Ph. 217-925-5212; TWX: 910-663-2660 (SCHULTZ DTRK).
CONTACT: Jack Schultz, Pres.

SIMEX LTD. ★
17th Floor, Mahatun Plaza Bldg.,
888/178 Ploenchit Rd., Bangkok 10500,
Thailand, Ph. 253-5000;
TLX: 82808 (SIMEX TH).
CONTACT: Jalthong Patamapongs, Mgr. Dir.

SPILLERS PREMIER PRODUCTS LTD. ★
Puckeridge, Ware, Hertfordshire SG11 1RW,
England, Ph. 821291; TLX: 81352.
CONTACT: P. Blacklin, Export Mgr.

STRAYER SEED FARMS, INC. ★
162 West 58, Hudson, IA 50643, Ph. 319-988-4187;
TWX: 910-520-2010 (TELEWORLD WDMS).
CONTACT: Dennis Strayer, Mgr.

WILKEN SEED GRAINS, INC. ★
Rt. 4, Box 133, Pontiac, IL 61764,
Ph. 815-844-3458.
CONTACT: Gene S. Swartz



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AG PROCESSING INC ★
11235 Davenport St., Suite 103,
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TLX: 750447; TWX: 910-997-0390. Other offices at Van Buren, AR; Eagle Grove, Sergeant Bluff and Sheldon, IA; Dawson, MN: St. Joseph, MO.
CONTACT: Jim Lindsey, CEO
Soybean meal, degummed soybean oil, fully refined soybean oil, cooking/salad oil, soybean flour.

AG-WORLD EXPORTS
1009 W. Washington St., P.O. Box 3337,
Bloomington, IL 61701, Ph. 309-827-3484;
TWX: 510-352-2171 (AG WORLD).
CONTACT: Eff Embree, Mgr. Dir.
Agricultural equipment and food products.

AGRICULTURAL EXPORTS, INC. ★
411 5thSt., Hudson, IA 50643, Ph. 319-988-4593;
TLX: 465653 (SOYP ROSK CFLS).
CONTACT: Mrs. George Strayer
Soybeans for seed or food purposes.

AMERICAN FARMERS EXPORT CORP. ★
P.O. Box 224, Clarksville, TN 37040,
Ph. 615-552-3846; TLX: 705792 (AFMC UAD).
Other office: Louisville, KY.
CONTACT: Thomas Chambers
Identity preserved buff hylem for tofu and identity preserved sprout beans.

AMERICAN LECITHIN CO. ★
P.O. Box 4056, Atlanta, GA 30302,
Ph. 404-522-7060; TLX: 261318 (AMAD).
Other office: Woodside, NY.
CONTACT: Joseph Eichberg, Pres.
Lecithin.

ARTFER, INCORPORATED ★
P.O. Box 53227, New Orleans, LA 70153-3227,
Ph. 504-582-2200; TLX: 58305 (MRGE NOLA);
TWX: 810-950-6621 (MRGE NOLA US). Other offices: Beardstown, Florence, Gulfport and Pekin, IL; Davenport, IA; Henderson and Owensboro, KY.
CONTACT: Lorenzo Savini, Soybean Mgr.
Yellow soybeans and soybean meal.

THE AUSTIN COMPANY, INC. ★
P.O. Box 1360, Greeneville, TN 37744,
Ph. 615-638-4124;
TLX: 553433 (AUSTIN CO GVLE).
CONTACT: Kelly Ritter or Robert Austin
Soybeans, soybean oil.

BALFOUR, MACLAINE INTERNATIONAL LTD.
Wall St. Plaza, New York, NY 10005,
Ph. 212-425-2100; TLX: 649195 or 423606 (BALRICE)
CONTACT: Donald G. O'Meara
Crude and degummed soy oil; sunflower seed oil.

BUNGE CORPORATION ★
One Chase Manhattan Plaza, New York, NY 10005, Ph. 212-943-6600; TLX: RCA-233554, ITT 420099.
Soybeans, soybean meal, crude, crude degummed, once refined and fully refined soybean oil.

CALIFORNIA INTERNATIONAL FREIGHT CORPORATION (CIF)
425 California St., San Francisco, CA 94104,
Ph. 415-788-3434; TLX: 171752 (CIF SFO) or WU 67561 (SIF SFO). Other location: New York, NY.
CONTACT: Kathleen Radicchi
Soybean meal, pellets, mixed feed, fully refined soybean oil, cooking oil.

CALLAHAN ENTERPRISES, INC. ★
1122 E. 169th St., Westfield, IN 46032,
Ph. 317-896-5551; TLX: 276127.
CONTACT: Roger T. Kemper or Lynn Craxton
Commercial seed and parent seed.

CIGRA INCORPORATED ★
Sears Tower, Suite 7616, 233 S. Wacker Dr.,
Chicago, IL 60606, Ph. 312-993-9811;
TWX: 910-221-2586. Other offices: New York, NY; Portland, OR.
CONTACT: Paul S. Sakai
Soybeans, soybean meal, soybean oil.

COUNTRY BRAND SEEDS, INC. ★
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319-233-5504; TLX: 465650 (JEDGRAIN CFLS).
CONTACT: Gene Sullivan
Soybean seed.

CREAM OF THE BEAN, INC. ★
East Suite, 3973 Grove Ave., Gurnee, IL 60031,
Ph. 312-623-4114.

CONTACT: Stuart Doblin or William Corwin
Soybean dehuller and cracker for tempeh, tofu and soy milk.

DEKALB COUNTY EXPORTS INC.
Subsidiary of ADM and Tabor Grain
P.O. Box 734, Towpath Rd., Ottawa, IL 61350,
Ph. 815-433-3635; TWX: 910-642-3700.
CONTACT: Joe Zeeb
Special variety and food-type soybeans.

JAMES E. DUNN GRAIN SERVICES, INC. ★
4735 Sergeant Rd., Waterloo, IA 50701,
Ph. 319-233-5504; TLX: 465650 (JED GRAIN CFLS)
CONTACT: James Dunn, Pres.
Identity preserved soybeans for tofu, miso, natto and sprouts; commercial soybeans and soybean meal; shipments by container, rail or barge.

DURKEE FOODS DIVISION
SCM Corporation
925 Euclid Ave., Cleveland, OH 44115,
Ph. 216-344-8000; TLX: 985325 (GLIDDEN CLV).
CONTACT: R. T. Arkes (216-344-8162)
Hard butters, shortenings, salad oils, stearines, emulsifiers.

FOOD INGREDIENTS, INC. ★
1550 E. Higgins Rd., Suite 130, P.O. Box 1557,
Elk Grove Village, IL 60007, Ph. 312-439-3200;
TLX: 206804 (FOOD INGR ELGR).
Other office: Richardson, TX.
CONTACT: H.S. Villars
Lecithin.

GLOBAL ENTERPRISES LTD. ★
P.O. Box 6369, Springfield, IL 62708,
Ph. 217-753-1160; TLX: 503083 (GLOBALENT).
CONTACT: Jack Crifasi, Pres.
Bulk tofu in dehydrated form, meatless meals and desserts from soybean concentrates.

GLOBAL NUTRAMEAL, INC. ★
R.R. Box 6122, Spirit Lake, IA 51360,
Ph. 712-337-3376.
CONTACT: Kirk Stauss, Pres.
Soybeans, soy-based snack foods.

GRAIN PROCESSING CORPORATION ★
1600 Oregon St., Muscatine, IA 52761,
Ph. 319-264-4278; TLX: 468497 (GPCORP MUSC).
CONTACT: Ralph Wilkinson
Isolated soy protein.

GURLEY'S, INC. ★
Subsidiary of Illinois Cereal Mills, Inc.
404 E. Preston St., P.O. Box 388,
Selma, NC 27576, Ph. 919-965-2303;
800-672-8131 (NC); 800-334-9631 (U.S.).
CONTACT: Herman Kurrelmeier
Soybean seed.

HASSELMAN BROKERAGE CO. INC.
Subsidiary of Pan American Trade Development Corp.
2 Park Ave., New York, NY 10016,
Ph. 212-481-1620; TLX: 968672.
CONTACT: William Hasselman, Pres.
Crude, degummed, once refined and fully refined soy oil; soybean meal; soapstocks.

ICHIMAN INC. ★
AMCHA Division
608 South Hill St., Suite 1115, P.O. Box 75937,
Los Angeles, CA 90005-5937, Ph. 213-489-4244;
TLX: 298124 (ICHI UR) or 316648 (AMCHA)
CONTACT: Al Chapman, Pres.-Overseas Trade
Soybeans, soybean meal, soybean oil.

INARI, LTD. ★
2331 Forest Rd., Lansing, MI 48910,
Ph. 517-882-3323; TLX: 229440 (MICH AGRI LSG). Other office: Mason, MI.
CONTACT: Leonard Stuttman, Pres.
Roasted soybeans.

LEVER BROTHERS COMPANY ★
390 Park Ave., New York, NY 10022,
Ph. 212-688-6000; TLX: 666113 (LBCOM).
CONTACT: David Italiaander, Mgr. Fats & Oil Trading
Soybeans, crude degummed soybean oil.

LOU ANA FOODS, INC.
P.O. Box 591, Opelousas, LA 70570,
Ph. 318-948-6561; TLX: 586645 (LAF OPLS).
CONTACT: Bobby Harris, Ind. Sls. Mgr.
Once refined and fully refined soy oil.

MARWOOD INTERNATIONAL, INC. ★
1100 Larkspur Landing Circle, Suite 225,
Larkspur, CA 94939, Ph. 415-461-2703;
TLX: 171463 (HQ LARK). Other office: Liberty Commodities, Denver, CO.
CONTACT: Robert Rowley, Pres.
Soybeans, soybean meal, soybean oil.

MIDWEST SOYA INTERNATIONAL, INC. (MSI) ★
814 N. 5th St., Box 537, Clear Lake, IA 50428,
Ph. 515-357-6131.
CONTACT: Kim Pleggenkuhle, Mgr.
Soybeans.

MITSUI GRAIN CORPORATION ★
965 Ridge Lake Blvd., Suite 101,
Memphis, TN 38119, Ph. 901-685-3700;
TLX: 533154 (MITSUI MFS).
Other office: Portland, OR.
CONTACT: Shogo Suzuki
No. 2 yellow soybeans, No. 2 yellow SB (food beans), soybean meal, crude degummed soybean oil, soy protein products.

NKS EUROTRADE (New York) INC.
600 Third Ave., New York, NY 10016,
Ph. 212-661-7010; TLX: Intl. 422645 (NK SUI),
U.S. 649475 (NYKS NYK).
CONTACT: L. G. Wyatt, Gen. Mgr.
Soybean meal, corn, grains, animal feeds.

NORTHRUP KING COMPANY ★
P.O. Box 959, Minneapolis, MN 55440,
Ph. 612-781-8011; TLX: 290143;
TWX: 910-576-3420.

CONTACT: Jim Hurst
Soybean seed.

PACIFIC SOYBEAN & GRAIN INC. ★
495 DeHaro St., San Francisco, CA 94107,
Ph. 415-863-0867; TLX: 299802 (EWINCO).
CONTACT: Daniel Burke, Pres.
Soybeans and organically-grown soybeans. Specializing in varieties for soyfoods manufacturing. Bulk or bagged containerized shipments.

PEAVEY INTERNATIONAL, INC. ★
730 Second Ave. S., Minneapolis, MN 55402,
Ph. 612-370-7551; TLX: 290125.
CONTACT: Gordon V. Jones, Sr. Merchant
Soybean meal.

THE PILLSBURY COMPANY ★
Pillsbury Center, M.S. 3674,
Minneapolis, MN 55402, Ph. 612-330-4254;
TLX: 290198 (PILLS FID MPS) or WUI 6879040 (PILLS UW).
CONTACT: Myron W. Achenbach
Soybean meal, other feed ingredients, grains, corn gluten, animal feeds.

PRO-SEED INC. ★
236 Sugar St., Box 55, Blissfield, MI 49228,
Ph. 517-486-3520; TLX: 241046 (SEAWAY FWD TOL).
CONTACT: Ronald M. Jacob, VP
Soybean seed and identity preserved soybeans.

RICHCO GRAIN LTD.
650 5th Ave., New York, NY 10019,
Ph. 212-903-2000; TLX: 968076.
CONTACT: Blair Picard
Soybean meal, crude and refined soy oil.

RING AROUND SEED ★
P.O. Box 1017, Hale Center, TX 79041,
Ph. 806-839-2424 or 296-6161.
Other office: East Bernard, TX.
CONTACT: W.H. Davis
Soybean seed.

SCHOUTEN INTERNATIONAL INC.
Subsidiary of Schouten/Giessen N.V., Netherlands
6750 France Ave., South, Minneapolis, MN 55435, Ph. 612-920-7700; TLX: 290815.
CONTACT: Jac M. de Hoog, Pres.
Soybeans, soybean meal, grains and feed ingredients.

J.M. SCHULTZ SEED COMPANY ★
105 Pine St., P.O. Box 211, Dieterich, IL 62424,
Ph. 217-925-5212; TWX: 910-663-2660 (SCHULTZ DTRK).
CONTACT: Jack Schultz, Pres.
Soybean seed for planting. Soybean seed for sprouting and tofu manufacture.

A.R. SMITH & COMPANY, INC. ★
2217 152nd St. NE, Redmond, WA 98052,
Ph. 206-643-4515; TLX: 6711135.
CONTACT: Bruce Heyduck
Containerized soybeans.

SOY-COT SALES, INC. ★
2590 E. Devon Ave., Des Plaines, IL 60018,
Ph. 312-297-4160; TLX: 726319 (SOY COT DSP);
TWX: 910-233-5992 (SOY COT DSP).
CONTACT: Lloyd J. Smith
Soybean oil, cottonseed oil.

SPENCER KELLOG DIVISION ★
Textron Inc.
120 Delaware Ave., P.O. Box 807,
Buffalo, NY 14240, Ph. 716-852-5850;
TWX: 710-522-1810 (SPENKELSON).
CONTACT: Richard E. Punnett, Purch. Mgr. -Commodities
Soybean products.

STRACHAN SHIPPING COMPANY ★
1500 Southtrust Bank Bldg., 15th Floor,
Mobile, AL 36602, Ph. 205-433-5401;
TLX: 505423 (STRACHAN MOBILE). TWX: 810-741-7742 (STRACHAN MBL). Other offices: Jacksonville, Pt. Everglades and Tampa, FL; Savannah, GA; Lake Charles and New Orleans, LA; Charleston, SC; Beaumont/Orange and Houston, TX.
CONTACT: W. E. Casey, Traffic Mgr.
Soybean meal, animal feed, feed supplements.

STRAYER SEED FARMS, INC. ★
162 West 58, Hudson, IA 50643, Ph. 319-988-4187;
TWX: 910-520-2010 (TELEWORLD WDMS).
CONTACT: Dennis Strayer, Mgr.
Seed soybeans; sprouting soybeans; split/dehulled soybeans; soybeans for tofu, tempeh, miso, natto and soy sauce.

SUMITOMO CORPORATION OF AMERICA ★
345 Park Ave., NYKLJ Section,
New York, NY 10154, Ph. 212-207-0692;
TLX: 12311 (SUMITOMO NYK);
TWX: 710-581-4453.
CONTACT: N. Kumagai, Mgr. – Foodstuff Dept.
Soybean meal, soybean oil.

TERRAL-NORRIS SEED CO., INC. ★
P.O. Box 826, Lake Providence, LA 71254,
Ph. 318-559-2840.
CONTACT: Tom Terrel or Larry Mullen
Certified soybean seed.

ALFRED C. TOEPFER INTERNATIONAL, INC. ★
21 West St., New York, NY 10006,
Ph. 212-425-0119; TLX: 126954 (TOEPFER NYK); TWX: 710-581-4820 (TOEPFER NYK).
CONTACT: Rick Smith
Soybeans, soybean meal, soybean oil.

TOSHOKU (America) INC.
551 5th Ave., New York, NY 10176,
Ph. 212-661-5400; TLX: ITT 420527 and RCA 223089.
CONTACT: T. Kato, Soybean Mgr.
Soybeans, soybean meal, oil and soy protein.

TRI CITY REGIONAL PORT ★
2801 Rock Rd., Granite, City, IL 62040,
Ph. 618-877-8444.

CONTACT: Carl A. Ranft or Robert Wydra
Soybean meal, soybean pellets.

WILKEN SEED GRAINS, INC. ★
Rt. 4, Box 133, Pontiac, IL 61764,
Ph. 815-844-3458.
CONTACT: Gene S. Swartz
Soybean seed.

WOODWARD & DICKERSON INC.
937 Haverford Rd., Bryn Mawr, PA 19010,
Ph. 215-527-5200; TLX: 845244 (WOODWRD BRYN); TWX: 510-662-3381.
CONTACT: M. McCarthy, Merchandiser
Crude, crude degummed, fully refined, edible and hydrogenated oils; textured vegetable protein and soy flour; fatty acids; protein meals (44% and 49%).

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INDUSTRIAS DE ACEITE S.A. ★
Ballivian 262, P.O. Box 1759, Santa Cruz,
Ph. 47700 or 47008; TLX: 4260 (IASA BV).
Other offices: Cochabamba, La Paz and Oruro.
CONTACT: Felipe Campbell, Gen. Mgr.
Soybean meal.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO ★
Rua Enxovia 423, Santo Amaro, Sao Paulo 04711, Ph. 548-5500; TLX: 22597 (BWEY BR).
CONTACT: Liu Shun Ku, Exec. Dir.
Soybean pellets; crude degummed, fully refined and hydrogenated soy oil; crude soya fatty acid, soya methylester and distilled soya methylster.

COMPANHIA BRASILEIRA DE OLEOS E DERIVADOS (COBRASOL) ★
Alameda Santos, 1357-3°, Sao Paulo, SP, 01419,
Ph. 283-4222; TLX: 31140 (CBOD BR).
Other locations: San Luis Gonzaga, RS; Porto Allegre, RS; Santo Angelo, RS.
CONTACT: Antoine G. Abbas, Gen. Mgr.
Soybean meal, crude degummed oil.

HEBERLE COMERCIO E REPRESENTACOES DE CEREAIS S.A. ★
Rua dos Andradas, 955, 2° Andar, Porto Alegre, RS, 9000, Ph. 249299; TLX: 1464 or 1539.
Other offices: Sao Paulo and Rio de Janiero.
CONTACT: Aldayr Heberle, Dir.
Soybeans, soybean meal, oil, pellets.

INDUSTRIA E COMERCIO DE OLEOS VEGETAIS S.A. (OLVEBRA) ★
Praca Osvaldo Cruz 15-16°, Porto Alegre, RS, 90000, Ph. 21-2200; TLX: 051-1225 (OLVE BR).
CONTACT: Hans Hajo Grun, Comm. Dir.
Soybean meal, degummed and refined oil, hydrosoluble extract, tocopherols.

INDUSTRIAL E COMERCIAL BRASILEIRA S.A. (INCOBRASA) ★
Senador Florencia, 12-10°, Porto Alegre, RS,
Ph. 25-4986 or 24-8697; TLX: 051-1821. Other office: INCOBRASA N.Y. Ltd., New York, NY.
CONTACT: Arthur Warth, Dir.
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Ph. 259-2000; TLX: 24762 or 25303 (IROV BR).
CONTACT: Pedro Laercio Fancio, Mgr.
Soybean meal, pellets, laundry soap.

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CANADIAN VEGETABLE OIL PROCESSING ★
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Ph. 416-527-9121; TLX: 061-8315 (CVOP HAM).
CONTACT: Anton Donkers, Gen. Mgr.
Soybean meal, hulls, oil and lecithin.

MAPLE LEAF MONARCH COMPANY ★
365 Evans Ave., Toronto, Ontario M8Z 5W7,
Ph. 416-252-5551;
TLX: 06-984560 (MLMONARCH TOR).
CONTACT: John McNamara
Soybean meal, oil and lecithin.

ALFRED C. TOEPFER (Canada) LTD. ★
902-167 Lombard Ave., Winnipeg,
Manitoba R3B 0V3. Ph. 204-942-0468;
TLX: 07-57721 (TOEPFER WPG).
CONTACT: T. J. Chapman
Soybeans, hylum soybeans, soybean meal.

COLOMBIA

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aero 85, Buga,
Valle, Ph. 72021; TLX: 5866 (GRASA CO).
CONTACT: Alberto Angel, Gen. Mgr.
Textured vegetable protein.

ENGLAND

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Ph. 811441; TLX: 83477 (CVSBAN G).
Other offices: 76370 Neuville les Dieppe, France;
B-9050 Evergem, Belgium.
CONTACT: James Hoy, Trader
Full fat soya.

SPILLERS PREMIER PRODUCTS LTD. ★
Puckeridge, Ware, Hertfordshire SG11 1RW,
Ph. 821291; TLX: 81352.
CONTACT: P. Blacklin, Export Mgr.
TRUSOY (heat treated full fat soy flour) and BREDSOY (enzyme active full fat soy flour).

FEDERAL REPUBLIC OF GERMANY

INTERFOOD DEUTSCHLAND GmbH ★
Div. Interfood Luxemburg SAH
Louisenstr. 115, 6380 Bad Hamburg 1,
Ph. 22046; TLX: 0415849.
CONTACT: Hans D. Kneer, Mgr. Dir.
PROTIBLEND-20, protein enriched food preparation containing soy protein and soy oil.

NOBLEE & THORL GmbH ★
Seehafenstrasse 24, P.O. Box 901040,
D-2100 Hamburg 90, Ph. 771681;
TLX: 217713 (NOBL D).
CONTACT: Rolf Spindler, Purch. Mgr.
Regined and hardened soybean oil.

FRANCE

ETS. PAUL FEIGHER ★
1, Rue du Dome, 1, 75116 Paris,
Ph. 704-6235 or 727-6202;
TLX: 611097 (FEIGHER F).
CONTACT: Paul Feigher
Soybeans, soybean meal.

GREECE

SOYA MILLS S.A. ★
9, Valaoritou St., Athens, Ph. 3601002, 3601005,
3601020; TLX: 214908 (SOMI GR).
CONTACT: E. Karatzas, Sls. Mgr.
Soybean meal, fully refined soybean oil.

INDIA

DIPAK SOLVENT EXTRACTION INDUSTRIES ★
Jawahar Road, Manavadar 362630, Gujarat,
Ph. 267, 268 or 508; TLX: 0169-253 (DISO IN).
CONTACT: G.G. Patel
Soybean extraction.

GODREJ SOAPS LTD. ★
Pirojshanagar, Eastern Express Highway,
Vikhroli, Bombay 400079, Maharashtra,
Ph. 584461 or 586861; TLX: 011-71480 (AVIX IN).
CONTACT: N. B. Godrej, Dir.
Toasted soybean extraction meal – 50% O & A.

J.K. EXPORT INDUSTRIES
Savitabag, Vadal Rd., P.O. Box 37,
Junagadh 362003, Ph. 1431, 2080 or 1389;
TLX: 0164-204 (LUCK IN).
CONTACT: M. B. Patel, Mgr.
Well-toasted yellow extracted soybean meal.

KALYAN SOLVENT EXTRACTION LTD. ★
53 Bajaj Bhawan, Nariman Point,
Bombay 400021, Ph. 202-4907 or 202-2087;
TLX: 011-3187 (MOON IN). Other offices: Dewas and Indore, MP.
CONTACT: K. C. Barjatya, Mgr. Dir.
Soybean extraction.

KANCHAN OIL INDUSTRIES PVT. LTD. ★
38, Strand Rd., Calcutta 700001, West Bengal,
Ph. 250679, 250649, 251349 or 251798;
TLX: 021-4539 (MDL).
CONTACT: H. P. Gupta, Mgr. Dir.
Soybean meal.

LIBERTY OIL MILLS PVT. LTD. ★
302, Dalamal House, 206 Nariman Point,
Bombay 400021, Maharashtra, Ph. 244445;
TLX: 011-6189 (LIBO IN).
CONTACT: Parvez H. Kader, Dir.
Soybean meal.

NARMADA SAHAKARI TEL PRAKRIYA SAMITI MARYADIT ★
Narmada Rd., Barwaha 451115, Ph. 147 or 104, TLX: 0735-262 (NCOP IN).
CONTACT: M. G. Bhamsari, Comm. Mgr.
Solvent extracted toasted soybean meal.

ITALY

LUCAS MEYER S.R.L. ★
Division of Lucas Meyer, GmbH, Hamburg
Via Venezia 34, Vigonza, Ph. 629011; TLX: 430145 (GIPI I).
CONTACT: Axel Skulte, Pres.
Soy lecithin, soy flour, soy concentrates and isolates.

JAPAN

YAMATO TRADING CO., LTD. ★
2-6-7 Otemachi, Numazu City, Ph. 62-5614; TLX: 03922516 (YAMATO J).
CONTACT: Tatehiko Narabe, Pres.
Soyfoods.

KOREA

CHEIL SUGAR & CO., LTD. ★
17th Floor, Dong Bang Main Bldg., 150, 2-Ka, Tae Pyung-Ro, Chung-Ku, Seoul, Ph. 756-3436; TLX: 23762 (CHESCO K).
Other office: Ft. Lee, N.J.
CONTACT: J. S. Kim, Sr. Managing Dir.
Crude, crude degummed, once refined, fully refined and cooking/salad oil.

DONG BANG CORPORATION ★
2, 4-Ka, Yangpyung-Dong, Yungdeungpo-ku, C.P.O. Box 3031, Seoul 150, Ph. 676-9121; TLX: 27334 (DB CORP).
Other offices; Chinae, Pusan and Incheon.
Soybean meal, oil, fatty acids.

NETHERLANDS

CONTISTALEY NEDERLAND V.O.F. ★
Weena 130, P.O. Box 209, 3000AE Rotterdam, Ph. 147155; TLX: 22036 or 22037 (CCH NL).
Other office: London, England.
Soybean meal, corngluten feed pellets and other U.S. produced derivatives.

ROTTERDAMSCHE MARGARINE INDUSTRIE B.V. (ROMI) ★
P.O. Box 20, 3130 AA Vlaardingen, Ph. 340311; TLX: 25770 (ROMI NL).
CONTACT: D. M. Talmon or H.G.A. Klein.
Refined products: vegetable fats, margarine.

PORTUGAL

COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL) ★
Av. Republica, 44-7°, 1000 Lisbon, Ph. 767521, 767522 or 767533; TLX: 14187 (TAGOL P).
CONTACT: Manual Mourao, Dir.
Soybean meal, crude degummed oil.

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA) ★
Repelega, Portugalete, Vizcaya, Ph. 4965111; TLX: 32753.
CONTACT: Juan Leguina, Sls, Mgr.
Soybean meal, degummed oil, fully refined oil, lecithin, soy flour (200 mesh).

OLEAGINOSAS ESPANOLAS S.A. (OESA) ★
Nunez de Balboa, 108, 28006 Madrid, Ph. 411-4613; TLX: 45302 or 46918 (OLEA E).
Other office: Barcelona.
CONTACT: Juan Zamorano
Soybean meal, soybean oil, lecithin.

SOCIEDAD IBERICA DE MOLTURACION S.A. (SIMSA) ★
Plaza de Chamberi, 8-7°, Madrid 28010, Ph. 447-3013, TLX: 27216 (SIMSA E).
CONTACT: Ignacio Aritio
Crude degummed and fully refined soybean oil, soybean lecithin.

TAIWAN

CHIA FHA INDUSTRY CO., LTD. ★
45, Sha-Tyan Rd., Sha-Lu Chen, Taichung Hsien, Ph. 362111; TLX: 22237 (CHIA FHA); TWX: CHIAFHA TAIPEI. Other office: Taipei.
CONTACT: H. Y. Wang
Soybean lecithin.

EAGLE FOOD INDUSTRY CORPORATION ★
12th Floor, 310, Sec. 4, Chung Hsiao E. Rd., Taipei 105, Ph. 781-1161; TLX: 11547 (REWARD).
CONTACT: Cheng-Feng Wang, Pres.
Soybean meal, refined soybean oil.

PRESIDENT ENTERPRISES CORP. ★
301, Chung-cheng Rd., Yan Harng, Yungkang, Taipei 711, Ph. 532121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Exec. VP
Soybean meal, lecithin, margarine, soybean drink, soy sauce.

WAN JIA SHIAN BREWERY CO. LTD. ★
80-1 Hope St., Sun Chung City, Taipei, Ph. 985-1282; TLX: 25852 (JOYTW).
CONTACT: Jen-Chun Wu, Pres.
Soy sauce.

THAILAND

PATUM VEGETABLE OIL CO. LTD. ★
733/23 Charansanitwong Rd., Bangkok 10700, Ph. 424-1165, 424-2168, 424-5963, 424-0603, 424-8950 or 424-9802; TLX: 82431 (PATUM TH).
CONTACT: Prakit Triyanond, Gen. Mgr.
Crude degummed and refined bleached deodorized soybean oil.

UNITED ARAB EMIRATES

UNITED FOODS LTD. ★
P.O. Box 5836, Dubai, Ph. 447674, 447688 or 447689; TLX: 46689 (VEGOIL EM).
CONTACT: Rizwan Ahmed, Comm. Mgr.
ASEEL vegetable ghee, MUMTAZ vegetable oil.

Importers of Soybeans & Soybean Products

★Updated listing

UNITED STATES

FOOD INGREDIENTS, INC. ★
1550 E. Higgins Rd., Suite 130, P.O. Box 1557,
Elk Grove Village, IL 60007, Ph. 312-439-3200,
TLX: 206804 (FOOD INGR ELGR).
Other office: Richardson, TX.
CONTACT: H.S. Villars
Full fat soy flour.

FOOD INGREDIENTS (MN) INC. ★
2121 Toledo Ave. N, Golden Valley, MN 55422,
Ph. 612-588-9456; TLX: 4992551 (POLYPROINT).
CONTACT: Dale W. Johnson
Full fat soy flour.

BAHRAIN

DELMON POULTRY COMPANY ★
P.O. Box 20535, Manama, Ph. 631970 or 727690;
TLX: 9669 (DEPCO BN).
CONTACT: Nasser Abbas or
Ad van Wijngaarden
Soybean meal (48%).

BOLIVIA

INDUSTRIAS DE ACEITE S.A. ★
Ballivian 262, P.O. Box 1759, Santa Cruz,
Ph. 47700 or 47008; TLX: 4260 (IASA BV).
Other offices: Cochachamba, La Paz and Oruro.
CONTACT: Felipe Campbell, Gen. Mgr.
Soybean oil.

BRAZIL

BRASWEY S.A. INDUSTRIA E COMERCIO ★
Rua Enxovia 423, Santo Amaro, Sao Paulo
04711, Ph. 548-5500; TLX: 22597 (BWEY BR).
CONTACT: Liu Shun Ku, Exec. Dir.
Soybeans, soybean oil.

RESEGUE INDUSTRIA E COMERCIO S.A. ★
Rua Maria Paula 8, Sao Paulo 01319, SP,
Ph. 259-2000; TLX: 24762 or 25303 (IROV BR).
CONTACT: Pedro Laercio Fancio, Mgr.
Soybean oil.

CANADA

CANADIAN VEGETABLE OIL PROCESSING ★
Div. Canada Packers
Burlington & Victoria Sts. P.O. Box 618,
Station A, Hamilton, Ontario L8N 3K7,
Ph. 416-527-9121; TLX: 061-8315 (CVOP HAM).
CONTACT: Anton Donkers, Gen. Mgr.
Soybeans.

ALFRED C. TOEPFER (Canada) LTD. ★
902-167 Lombard Ave., Winnipeg,
Manitoba R3B 0V3, Ph. 204-942-0468;
TLX: 07-57721 (TOEPFER WPG).
CONTACT: T. J. Chapman
Soybeans.

COLOMBIA

GRASAS S.A. ★
Calle 11, No. 18-113, Apartado Aero 85, Buga,
Valle, Ph. 72021; TLX: 5866 (GRASA CO).
CONTACT: Alberto Angel, Gen. Mgr.
Soybeans, crude degummed oil.

CZECHOSLOVAKIA

KOOSPAL A.S. ★
Leninova 178, Prague, Ph. 366355 or 3662468;
TLX: 121121 (KOOS C).
CONTACT: Mr. Starosta
Soybean meal, soybean pellets.

ENGLAND

CHERWELL VALLEY SILOS LTD. ★
Twyford, Banbury, Oxfordshire OX17 3AA,
Ph. 811441; TLX: 83477 (CVSBAN G).

Other offices: 76370 Neuville les Dieppe, France; B-9050 Evergem, Belgium.
CONTACT: James Hoy, Trader
U.S. No. 2 soybeans.

FEDERAL REPUBLIC OF GERMANY

NOBLEE & THORL GmbH ★
Seehafenstrasse 24, P.O. Box 901040, D-2100 Hamburg 90, Ph. 776181; TLX: 217713 (NOBL D).
CONTACT: Rolf Spindler, Purch. Mgr.
Crude soybean oil.

FINLAND

OLJYNPURISTAMO OY ★
P.O. Box 15, SF-00811 Helsinki, Ph. 780155; TLX: 121518 (OILML SF).
CONTACT: P. Karri, Comm. Dir.
Soybeans, soybean meal.

HUNGARY

AGRIMPEX ★
Munich F u 22, Budapest 1051, Ph. 530142; TLX: 225751.
CONTACT: Gabor Morvay, Mgr., Soybean Meal Dept.
Soybeans, meal and oil.

INDIA

KANCHAN OIL INDUSTRIES PVT. LTD. ★
38, Strand Rd., Calcutta 700001, West Bengal, Ph. 250679, 250649, 251349 or 251798; TLX: 021-4539 (MDL).
CONTACT: H. P. Gupta, Mgr. Dir.
Soybean oil.

LIBERTY OIL MILLS PVT. LTD. ★
302, Dalamal House, 206 Nariman Point, Bombay 400021, Maharashtra, Ph. 244445; TLX: 011-6189.
CONTACT: Parvez H. Kader, Dir.
Crude, degummed and refined soybean oil.

IRELAND

BALLYCLOUGH COOPERATIVE CREAMERY LTD. ★
Mallow Co., Cork, Ph. 21592.
CONTACT: Patrick Lucey, Tech./Nut. Advisor
Extracted soybeans, full fat soya, toasted full fat soya.

J. W. GREEN & CO., LTD. ★
28 Maylor St., P.O. Box 58, Cork, Ph. 20782; TLX: 28448 (SPS EI).
CONTACT: Liam O'Mahony or Finbar Healy
Soybean meal, full fat processed soybeans.

R. & H. HALL LTD. ★
32 Nassau St., Dublin, Ph. 773167; TLX: 25249 (HALD EI). Other offices: Cork, Belfast and London.
CONTACT: J. G. McInterney
U.S. No. 2 soybeans, soybean meal, (44% and 50%).

JAPAN

TOSHOKU LTD.
4, Nihombashi-Muromachi 2 chome, Chuo-ku, Tokyo 103, Ph. 245-2346; TLX: 22352 or 22872.
CONTACT: Yoshiko Nakahashi
Soybeans, soybean meal, oil, soy protein.

JORDAN

ARAB COMPANY FOR LIVESTOCK DEVELOPMENT ★
Broiler Grandparent Project
P.O. Box 926926, Amman, Ph. 669647; TLX: 23054 (ACOLID).
CONTACT: Adib H. Duayfi, Mgr.
Soybean meal (44% and 48%).

KOREA

CHEIL SUGAR & CO., LTD. ★
17th Floor, Dong Bang Main Bldg., 150, 2-Ka, Tae Pyung-Ro, Chung-Ku, Seoul, Ph. 756-3436; TLX: 23762 (CHESCO K).
Other office: Ft. Lee, NJ.
CONTACT: J. S. Kim, Sr. Managing Dir.
Soybeans.

DONG BANG CORPORATION ★
2, 4-Ka, Yangpyung-Dong, Yungdeungpo-ku, C.P.O. Box 3031, Seoul 150, Ph. 676-9121; TLX: 27334 (DB CORP). Other offices: Chinae, Pusan and Incheon.
Soybeans.

KUWAIT

BURGAN AGRI-FOOD INDUSTRY ★
P.O. Box 5545, Safat, Ph. 2193 or 2194; TLX: 46746 (BAFI KT).
CONTACT: Mohammad Al-Fraih, Pres.
Soybean meal.

OMAN

OMAN FLOUR MILLS CO. LTD. (SAO) ★
P.O. Box 3566, Ruwi, Ph. 711155, 711156, 711157 or 711158; TLX: 3422 (OFM ON).
CONTACT: M.M. Elshorbagi, Gen. Mgr.
Yellow soybean meal (50% minimum protein).

PORTUGAL

COMPANHIA DE OLEAGINOSAS DO TEJO SARL (TAGOL) ★
Av. Republica, 44-7°, 1000 Lisbon, Ph. 767521, 767522 or 767533; TLX: 14187 (TAGOL P).
CONTACT: Manuel Mourao, Dir.
Soybeans.

ROMANIA

AGROEXPORT ★
2 Ion Ghica St., Bucarest 3, Ph. 137172 or 163164; TLX: 11141 (AGREX R).
CONTACT: Mrs. Florica Gursca, Gen. Mgr.
Soybeans, soybean meal and soybean pellets.

SAUDI ARABIA

MIDDLE EAST ANALOG TECHNOLOGY ★
P.O. Box 4553, Jeddah, Ph. 682-2201; TLX: 403229 (ARAHOM SJ).
CONTACT: Kevin A. Fallon
Soybean products.

SINGAPORE

ACEMARK PTE. LTD. ★
No. 9C, Bay 1, River Valley Close, Singapore 0923, Ph. 7333777; TLX: 25617 (ACEMAK)
CONTACT: Ms. Lui-Tan Kwan Siu
SOYALITE soybean oil in consumer packs (1 kg, 2 kg, 3 kg, 4 kg).

SOUTH AFRICA

FREDDY HIRSCH BIZERBA SCALES PTY. LTD. ★
P.O. Box 2554, Cape Town 8000, Ph. 51-8203; TLX: 57-27736. Other offices: Bloemfontein, Durban, Johannesburg, Port Elizabeth, Pretoria and Windhoek.
CONTACT: Marco V. Galante, Dir., Food Ingred. Div.
Soy concentrates and isolates.

PROTEA CHEMICAL SERVICES PTY. LTD. ★
One Berrange Rd., Wadeville Ext. 1, Germiston, Transvaal 1407, Ph. 827-9270 or 827-4305.
Other offices: Cape Town, Durban and Port Elizabeth.
CONTACT: H. Egberink, Mgr. Dir.
Soy flour, soy grits, textured vegetable protein, textured concentrate, soy concentrate (70%), soy isolates.

SPAIN

ACEITES Y PROTEINAS S.A. (ACEPROSA) ★
Repelega, Portugalete, Vizcaya, Ph. 4965111; TLX: 32753.
CONTACT: Juan Leguina, Sls, Mgr.
Soybeans, soybean meal.

OLEAGINOSAS ESPANOLAS S.A. (OESA) ★
Nunez de Balboa, 108, 28006 Madrid, Ph. 411-4613; TLX: 45302 or 46918 (OLEA E).
Other office: Barcelona.
CONTACT: Juan Zamorano
Soybeans, soybean meal, soybean pellets.

TAIWAN

EAGLE FOOD INDUSTRY CORPORATION ★
12th Floor, 310, Sec. 4, Chung Hsiao E. Rd., Taipei 105, Ph. 781-1161; TLX: 11547 (REWARD).
CONTACT: Chen-Feng Wang, Pres.
Soybeans.

PRESIDENT ENTERPRISES CORP. ★
301, Chung-cheng Rd., Yan Harng, Yungkang, Taipei 711, Ph. 532121; TLX: 71348 (PRESIT).
CONTACT: C. S. Lin, Exec. VP
Soybeans.

THAILAND

HOECHEONG INTERNATIONAL TRADING CO. LTD. ★
Room 707, Prapawit Bldg., Surasak Rd., G.P.O. Box 1386, Bangkok 10501, Ph. 2351837, 2338332 or 2356622; TLX: 82858 (HOECO TH).
Other offices: Hong Kong and Singapore.
CONTACT: Jason Wong, Gen. Mgr.
Soybean seed, solvent extracted soybean meal, soybean tile or expeller, soybean protein powder.

NAKORNCHAISRI OIL INDUSTRIAL CO., LTD. ★
829-835 Opp. Taladplu Railway Station, Dhonburi, Bangkok 10600, Ph. 465-0971, 466-3082 or 466-4856.
CONTACT: Vichit Vitayatanagorn
Crude degummed oil.

PATUM VEGETABLE OIL CO., LTD. ★
733/23 Charansanitwong Rd., Bangkok 10700, Ph. 424-1165, 424-2168, 424-5963, 424-0603, 424-8950 or 424-9802; TLX: 82431 (PATUM TH).
CONTACT: Prakit Triyanond, Gen. Mgr.
Crude degummed soybean oil.

SIMEX LTD. ★
17th Floor, Mahatun Plaza Bldg., 888/178 Ploenchit Rd., Bangkok 10500, Ph. 253-5000; TLX: 82808 (SIMEX TH).
CONTACT: Jalthong Patamapongs, Mgr. Dir.
Soybean meal, soybean meal pellets.

UNITED ARAB EMIRATES

UNITED FOODS LTD. ★
P.O. Box 5836, Dubai, Ph. 447674, 447688 or 447689; TLX: 46689 (VEGOIL EM).
CONTACT: Rizwan Ahmed, Comm. Mgr.
R.B.D. soybean oil.

YUGOSLAVIA

EMONA COMMERCE ★
Smartinska 130, 61000 Ljubljana, Ph. 442-195 or 441-944; TLX: 31205 (EMONA YU).
Other offices: Globtrade GmbH, Munchen, Fed. Rep. of Germany; Globtrade GmbH, Wien, Austria; Globtrade S.p.A., Gorizia, Italy.
CONTACT: Franc Zver, Asst. Dir.
Soybeans, soybean meal, soybean oil.

soy statistics

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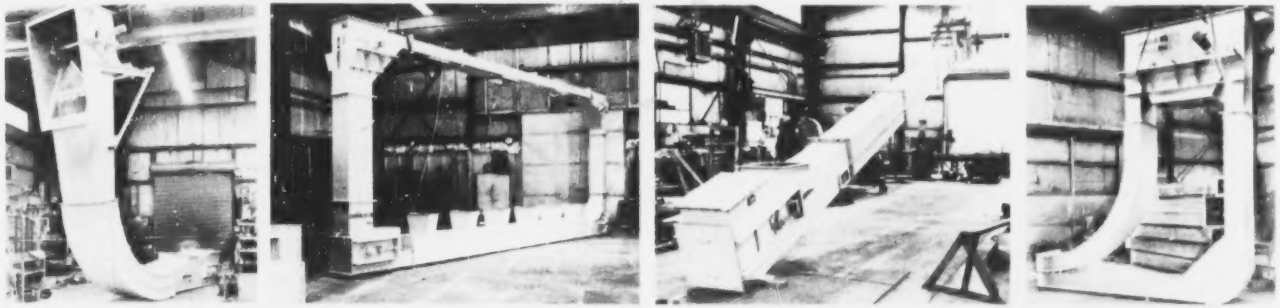

DIVINE ENGINEERING, INC.

5440 6th St. SW, P. O. Box 1345 CEDAR RAPIDS, IOWA 52406 319—365-0564

Jared S. Hills

EXPORTS AND IMPORTS

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SOYA CONVERSIONS

1 bushel of soybeans =	60	pounds
=	10.7	pounds of crude soy oil
=	47.5	pounds of soybean meal
=	39	pounds of soy flour
=	20	pounds of concentrate
=	11.8	pounds of isolates

79.2% of a bushel of soybeans is manufactured into soybean meal
17.8% of a bushel of soybeans is manufactured into soy oil
3.0% of a bushel of soybeans is manufacturing loss

1 metric ton of soybeans =	36.74	bushels
1 short ton of soybeans =	33.33	bushels
1 short ton of soybeans =	907	metric tons
1 long ton of soybeans =	37.33	bushels
1 metric ton of soybean meal =	46.39	bushels of soybeans
1 short ton of soybean meal =	42.08	bushels of soybeans
1 long ton of soybean meal =	47.13	bushels of soybeans
1 metric ton of soybean oil =	206	bushels of soybeans

METRIC CONVERSIONS

Area

1 acre =	0.405	hectares	1 hectare = 2.47 acres

Mass & Weight

1 pound =	453.59	grams	1 gram =	0.035	ounce
1 pound =	0.454	kilograms	1 kilogram =	2.2	pounds
1 hundredweight, short (100 lbs.) =	45.359	kilograms	1 metric ton =	1,000	kilograms
			1 metric ton =	2,205	pounds
1 hundredweight, long (112 lbs.) =	50.802	kilograms	1 metric ton =	1.1	short tons
1 ton, short =	0.907	metric tons	1 short ton =	2,000	pounds
1 ton, long =	1.016	metric tons	1 long ton =	2,240	pounds

Capacity

1 U.S. gallon =	3.785	liters	1 liter =	0.908	quarts, dry
1 Imperial gallon =	4.545	liters	1 liter =	1.057	quarts, liquid
1 bushel =	35.24	liters			

TEMPERATURE CONVERSIONS

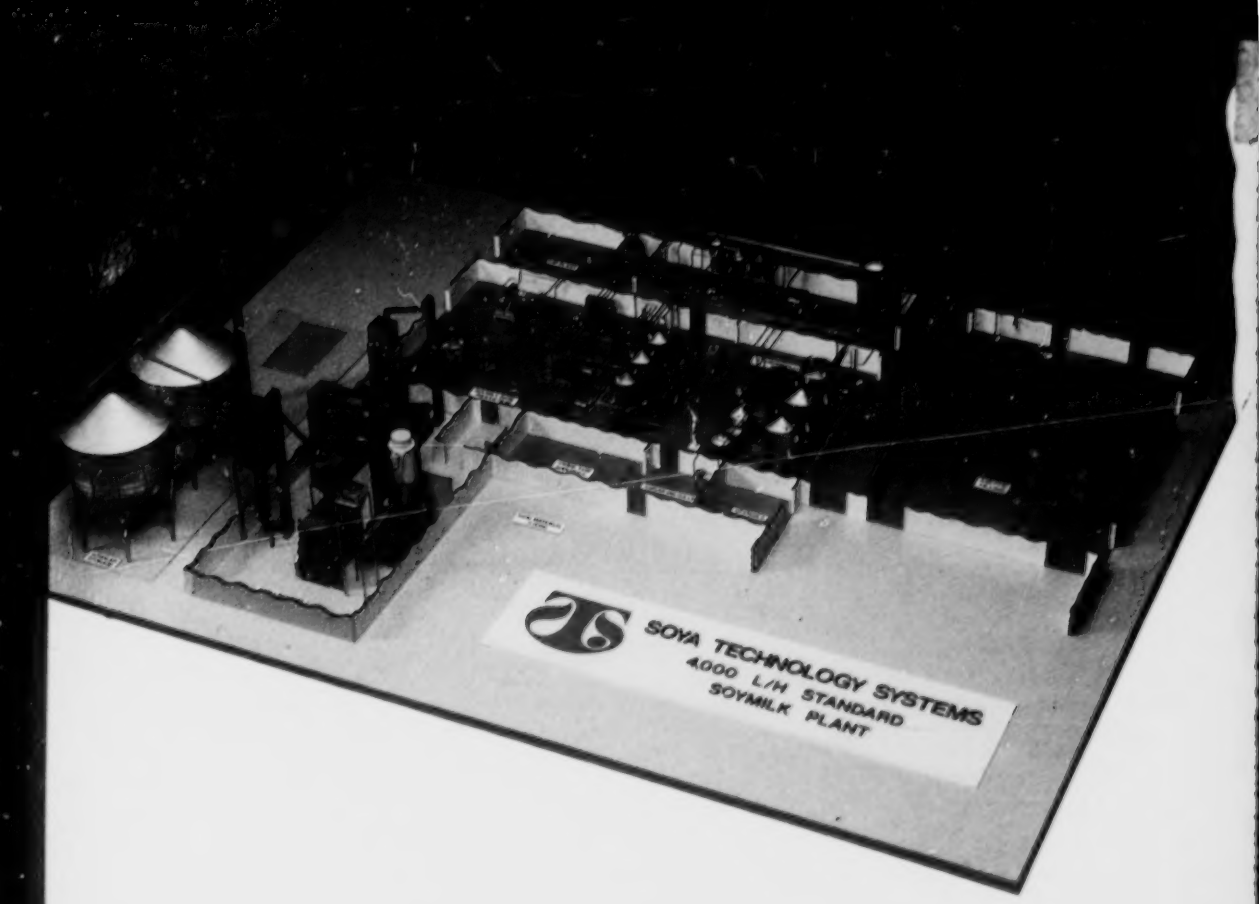
$$\text{Celsius (Centigrade)} = \frac{°F - 32}{1.8}$$

$$\text{Fahrenheit} = (1.8 \times °C) + 32$$

U.S. SOYBEAN PLANTING AND HARVESTING DATES

State	Usual Planting Dates	Usual Harvesting Dates		
		Begin	Most Active	End
Alabama	May 5-July 15	Sept. 20	Oct. 1-Oct. 30	Dec. 1
Arkansas	May 1-June 30	Oct. 1	Oct. 15-Nov. 25	Dec. 10
Delaware	May 15-July 10	Oct. 5	Oct. 20-Nov. 15	Dec. 1
Florida	May 15-June 15	Sept. 20	Oct. 1-Oct. 31	Nov. 30
Georgia	May 1-July 5	Oct. 10	Oct. 20-Nov. 20	Nov. 30
Illinois	May 5-June 25	Sept. 15	Sept. 25-Oct. 15	Nov. 5
Indiana	May 10-June 20	Sept. 20	Sept. 30-Oct. 30	Nov. 5
Iowa	May 10-June 10	Oct. 1	Oct. 10-Nov. 5	Nov. 15
Kansas	May 10-July 5	Sept. 20	Oct. 1-Nov. 5	Nov. 20
Kentucky	May 5-July 5	Sept. 20	Oct. 1-Nov. 1	Dec. 1
Louisiana	May 1-June 25	Sept. 15	Oct. 1-Nov. 15	Dec. 1
Maryland	May 15-July 10	Oct. 1	Oct. 20-Nov. 15	Dec. 1
Michigan	May 10-June 20	Sept. 20	Oct. 10-Oct. 25	Nov. 15
Minnesota	May 15-June 15	Sept. 25	Oct. 10-Oct. 25	Nov. 10
Mississippi	May 1-July 5	Sept. 20	Oct. 15-Nov. 15	Dec. 10
Missouri	May 1-June 20	Sept. 15	Oct. 1-Oct. 20	Dec. 1
Nebraska	May 10-June 15	Sept. 20	Oct. 5-Oct. 20	Nov. 5
New Jersey	May 25-July 10	Oct. 10	Oct. 25-Nov. 10	Nov. 20
New York	May 25-June 25	Oct. 1	Oct.10-Oct. 20	Oct. 30
North Carolina	May 5-June 25	Oct. 15	Nov. 1-Dec. 1	Dec. 20
North Dakota	May 20-June 10	Sept. 25	Oct. 5-Oct. 20	Oct. 25
Ohio	May 10-June 20	Sept. 20	Oct. 1-Oct. 25	Nov. 15
Oklahoma	May 10-June 30	Sept. 30	Oct. 10-Nov. 15	Nov. 25
Pennsylvania	May 10-July 1	Oct. 20	Nov. 1-Nov. 20	Dec. 1
South Carolina	May 1-July 10	Oct. 20	Nov. 1-Dec. 1	Dec. 10
South Dakota	May 15-June 15	Oct. 1	Oct. 10-Oct. 25	Nov. 5
Tennessee	May 1-June 30	Oct. 1	Oct. 15-Nov. 15	Dec. 10
Texas	May 1-July 15	Oct. 1	Oct. 25-Nov. 5	Nov. 30
Virginia	May 1-July 10	Oct. 1	Oct. 20-Nov. 25	Dec. 5
Wisconsin	May 25-June 15	Oct. 5	Oct. 20-Nov. 1	Nov. 20

Source: U.S. Department of Agriculture.



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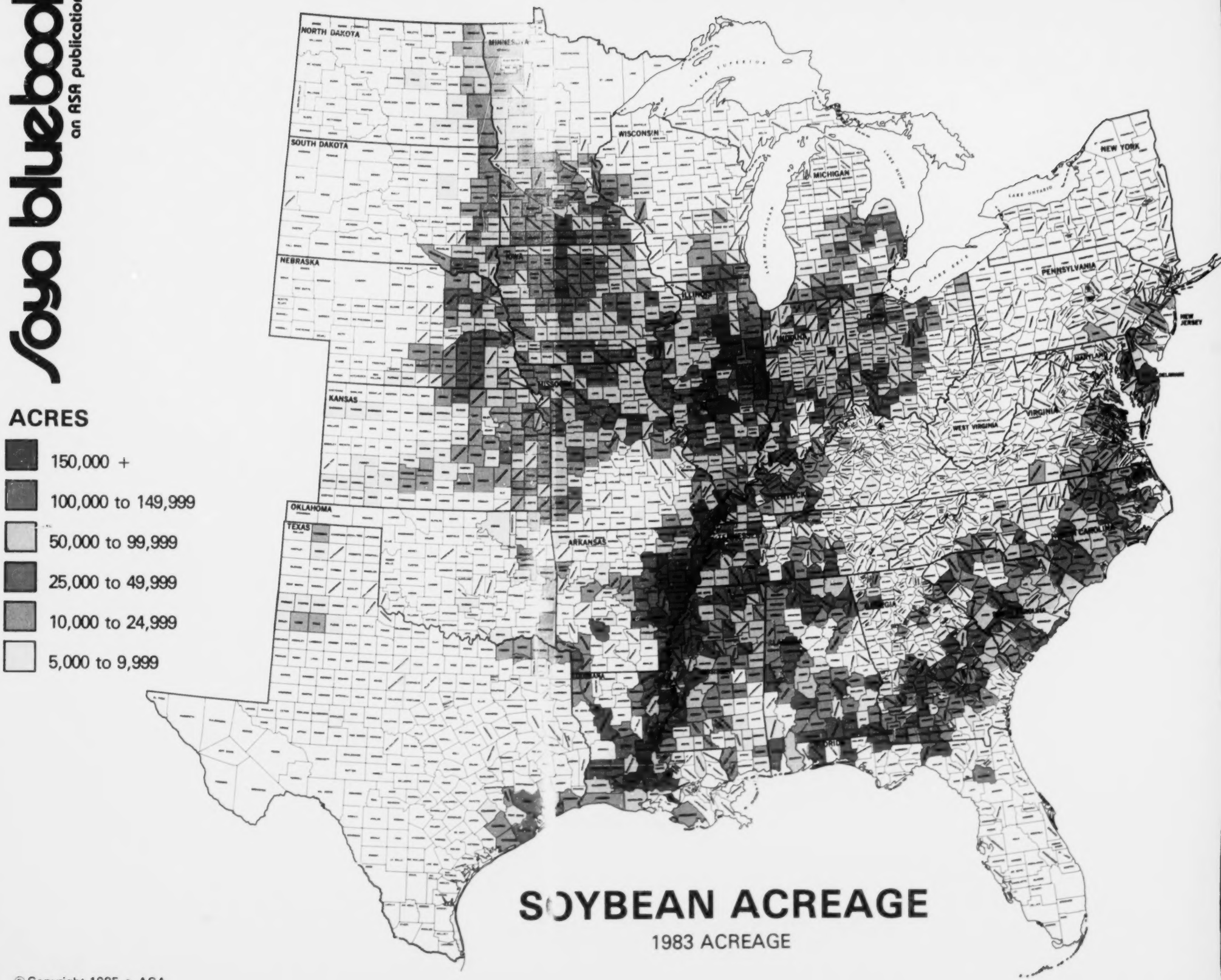

SOYBEAN ACREAGE

1983 ACREAGE

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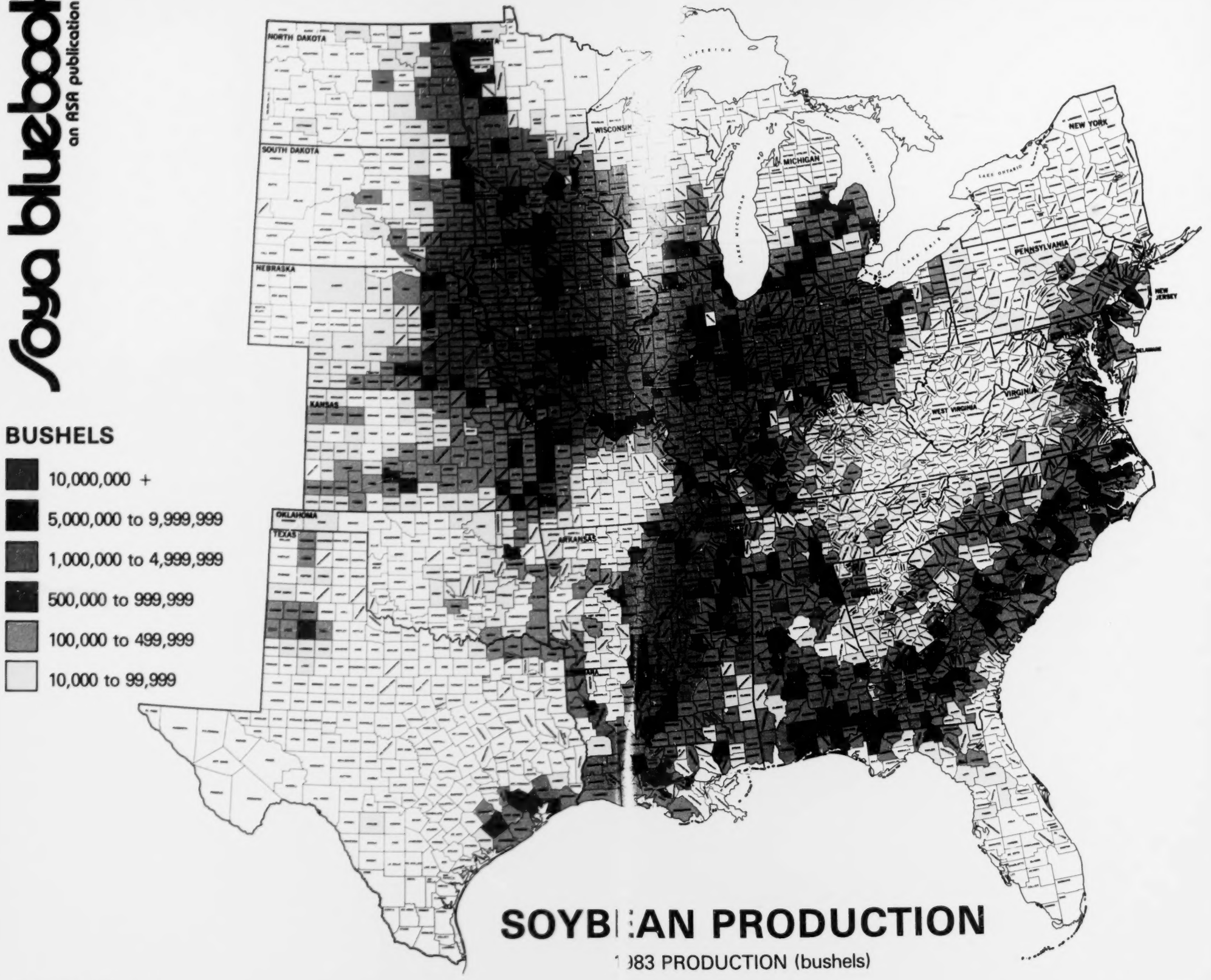

SOYBEAN PRODUCTION

1983 PRODUCTION (bushels)

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U.S. SOYBEAN ACREAGE, YIELD AND PRODUCTION
1925 - 1984

Year	Acres Planted			Acres Harvested			Average Yield Per Acre Harvested		Total Production	
	Grown Alone	Inter-planted[1]	Equivalent Solid[2]	For Beans	For Hay	Grazed or Plowed Under	For Beans	For Hay	For Beans	For Hay
	(Thousand Acres)			(Thousand Acres)			(Bushels)	(Tons)	(Th. Bu.)	(Th. Tons)
1925	1,539	476	1,785	415	1,175	195	11.7	1.01	4,875	1,185
1930	3,072	786	3,473	1,074	2,062	337	13.0	.94	13,929	1,938
1935	6,966	1,028	7,503	2,915	4,044	544	16.8	1.34	48,901	5,422
1940	10,487	2,589	11,782	4,807	4,819	2,156	16.2	1.34	78,045	6,450
1945	13,056	1,505	13,807	10,740	1,940	1,127	18.0	1.26	193,167	2,451
1950	15,048	1,184	15,640	13,807	963	870	21.7	1.31	299,249	1,260
1955	19,674	617	19,981	18,620	705	656	20.1	1.28	373,682	910
1960	24,440	398	24,649	23,655	449	545	23.5	1.44	555,085	646
1965	35,227	–	–	34,449	–	–	24.5	–	845,608	–
1966	37,294	–	–	36,546	–	–	25.4	–	928,481	–
1967	40,819	–	–	39,805	–	–	24.5	–	976,439	–
1968	42,265	–	–	41,391	–	–	26.7	–	1,106,958	–
1969	42,534	–	–	41,337	–	–	27.4	–	1,133,120	–
1970	43,082	–	–	42,249	–	–	26.7	–	1,127,100	–
1971	43,476	–	–	42,705	–	–	27.5	–	1,175,989	–
1972	46,886	–	–	45,683	–	–	27.8	–	1,270,630	–
1973	56,549	–	–	55,667	–	–	27.7	–	1,547,165	–
1974	52,479	–	–	51,341	–	–	23.2	–	1,214,802	–
1975	54,550	–	–	53,579	–	–	28.9	–	1,547,383	–
1976	50,226	–	–	49,358	–	–	26.1	–	1,287,560	–
1977	58,760	–	–	57,612	–	–	30.6	–	1,761,755	–
1978	64,708	–	–	63,663	–	–	29.4	–	1,868,754	–
1979	71,411	–	–	70,343	–	–	32.1	–	2,260,665	–
1980	69,930	–	–	67,813	–	–	26.5	–	1,797,543	–
1981	67,543	–	–	66,163	–	–	30.1	–	1,989,110	–
1982	70,884	–	–	69,442	–	–	31.5	–	2,190,297	–
1983	63,139	–	–	62,525	–	–	26.2	–	1,635,772	–
1984	67,735	–	–	66,093	–	–	28.2	–	1,860,783	–

[1]Grown with other crops. [2]Acreage grown alone with an allowance for acreage grown with other crops.
Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

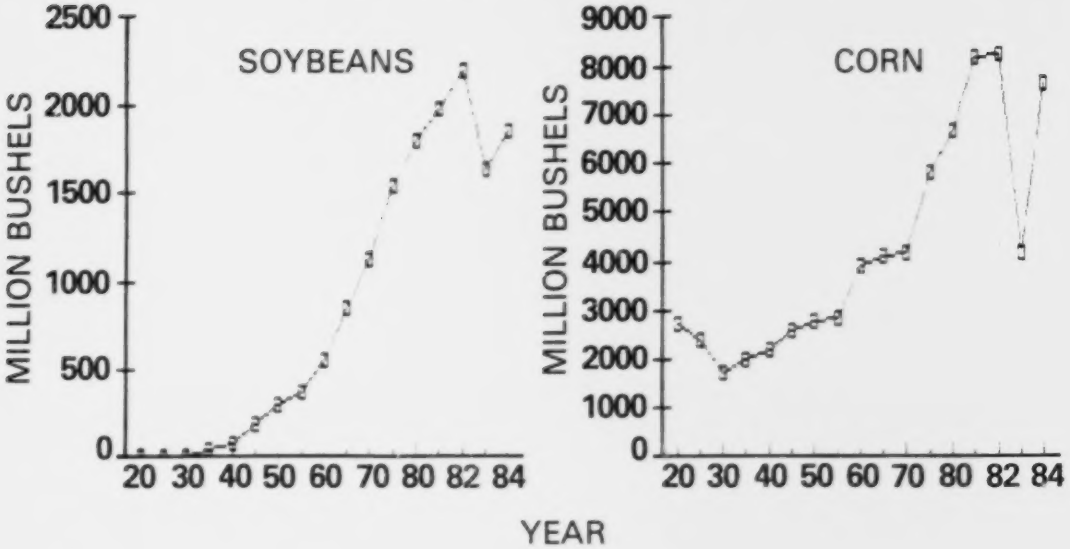
U.S. SOYBEAN PLANTED ACREAGE BY STATE

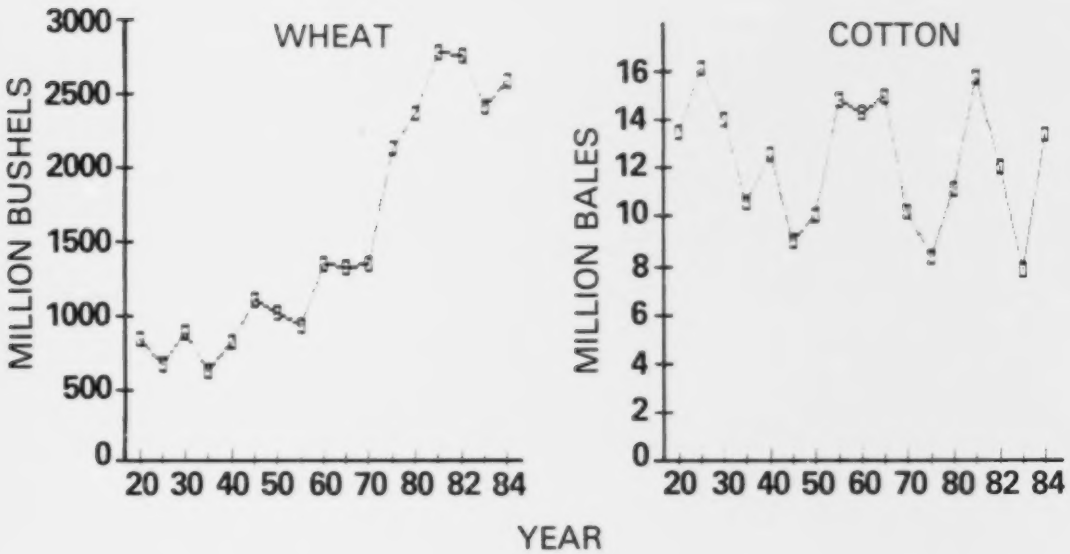
Acres Planted (Thousand Acres)

	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Alabama	642	1,300	1,650	1,900	2,200	2,200	2,050	2,100	1,550	1,400
Arkansas	4,393	4,750	4,650	4,750	5,200	4,800	4,550	4,650	3,900	4,050
Delaware	165	228	230	265	280	265	260	275	255	260
Florida	188	291	334	420	460	475	423	615	327	340
Georgia	550	1,190	1,250	1,750	2,000	2,200	2,300	2,700	2,050	2,100
Illinois	6,848	8,350	8,900	9,300	9,700	9,400	9,250	9,500	9,100	9,200
Indiana	3,300	3,650	3,900	4,200	4,500	4,400	4,650	4,600	4,000	4,400
Iowa	5,709	7,000	7,250	7,600	8,200	8,300	8,100	8,600	8,000	8,500
Kansas	1,074	1,100	1,020	1,520	1,580	1,550	1,540	1,850	1,600	1,730
Kentucky	582	1,150	1,400	1,400	1,720	1,650	1,700	1,700	1,500	1,520
Louisiana	1,730	2,000	2,750	3,100	3,400	3,450	3,110	3,000	2,670	2,450
Maryland	216	335	330	385	410	400	360	410	390	435
Michigan	539	615	730	910	1,020	980	1,050	1,050	1,050	1,200
Minnesota	3,140	3,700	3,850	4,100	5,150	4,800	4,460	4,950	4,650	5,300
Mississippi	2,358	3,230	3,750	3,900	4,200	4,000	3,800	3,700	3,200	3,300
Missouri	3,546	4,450	4,730	5,500	5,900	5,700	5,120	5,950	5,300	5,500
Nebraska	824	1,220	1,150	1,270	1,630	1,830	2,150	2,350	2,100	2,600
New Jersey	52	104	185	195	205	200	170	172	135	135
New York-not est. after 1980	6	11	21	25	26	20	–	–	–	–
North Carolina	981	1,500	1,450	1,750	2,000	2,030	1,920	2,150	1,750	1,850
North Dakota	184	180	180	175	210	210	250	350	540	750
Ohio	2,434	3,120	3,400	3,900	4,100	3,800	3,500	3,750	3,300	3,800
Oklahoma	200	245	360	370	390	350	280	300	250	248
Pennsylvania	30	54	70	83	130	135	135	110	152	175
South Carolina	1,550	1,420	1,350	1,510	1,700	1,600	1,600	1,900	1,480	1,520
South Dakota	253	345	320	400	700	780	780	840	1,000	1,400
Tennessee	1,281	1,950	2,320	2,530	2,700	2,450	2,450	2,450	2,020	1,900
Texas	170	395	800	800	860	560	560	1,000	460	450
Virginia	372	451	450	480	540	620	645	680	650	750
Wisconsin	155	216	200	220	300	335	380	460	400	480

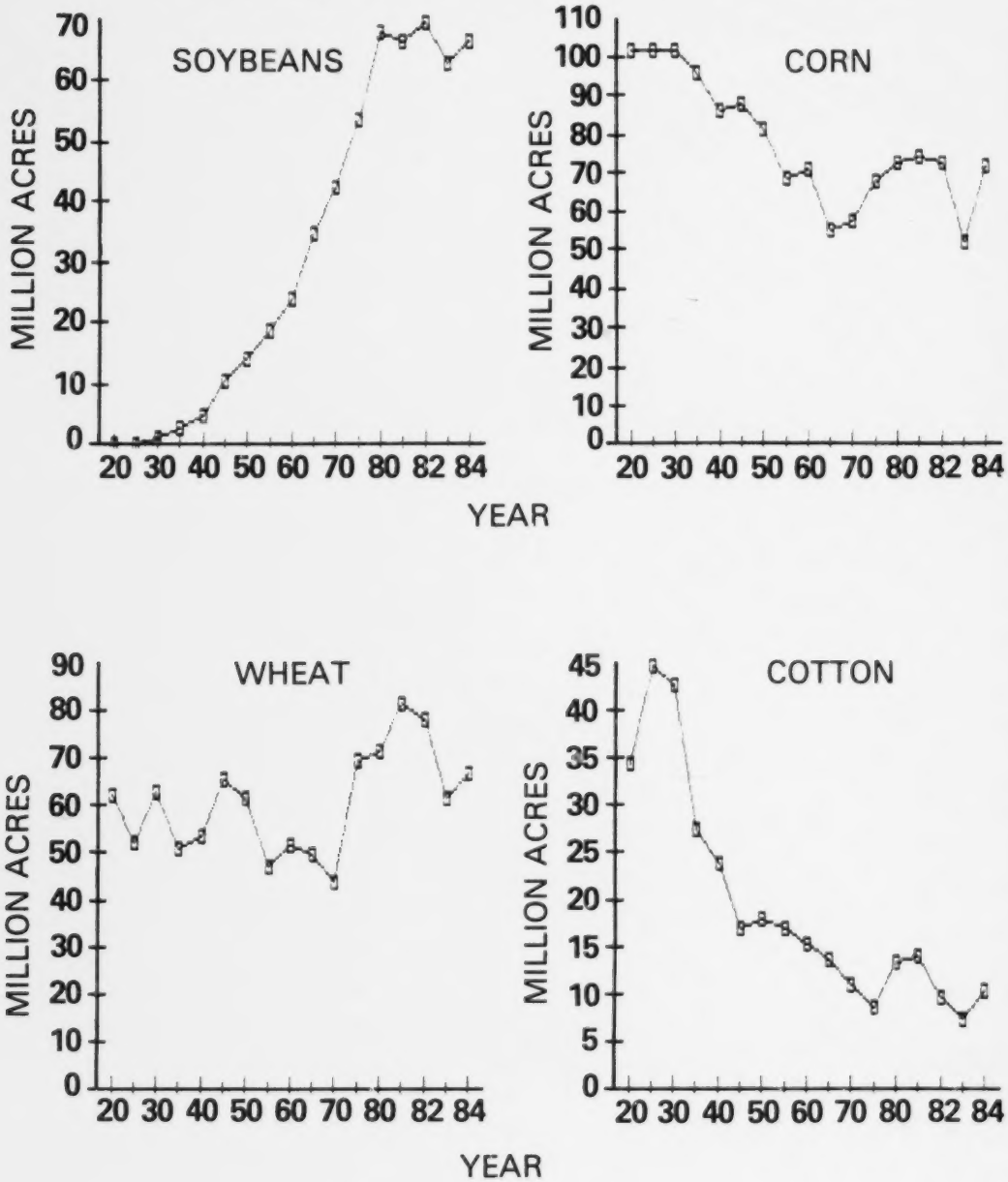
Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

U.S. PRODUCTION OF MAJOR CROPS

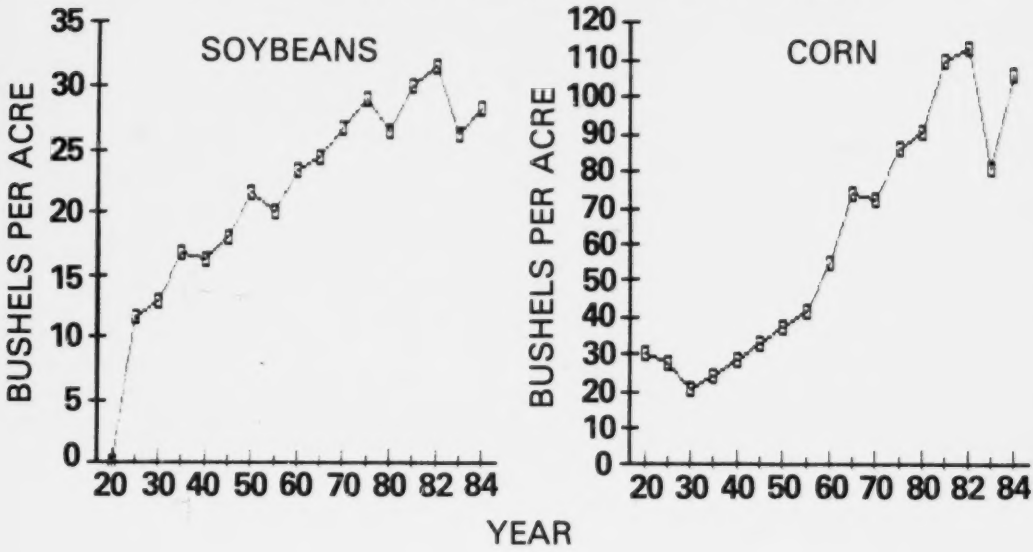


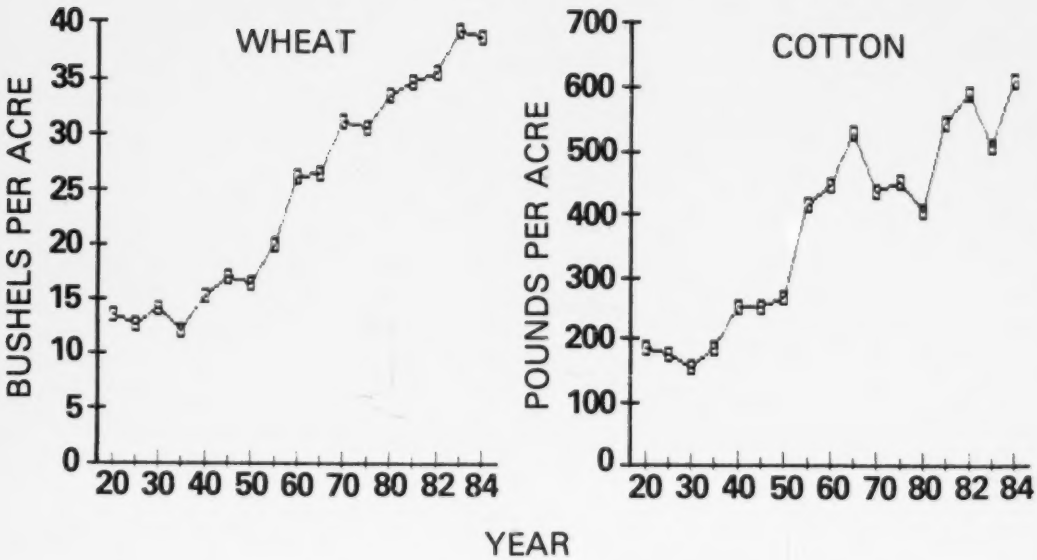


U.S. HARVESTED ACREAGE OF MAJOR CROPS



U.S. YIELD PER ACRE OF MAJOR CROPS





U.S. SOYBEAN HARVESTED ACREAGE BY STATE

Acres Harvested for Beans (Thousand Acres)

	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Alabama	600	1,260	1,600	1,850	2,150	2,100	2,020	2,000	1,500	1,370
Arkansas	4,400	4,700	4,600	4,700	5,150	4,350	4,500	4,400	3,800	3,900
Delaware	156	225	225	260	275	260	255	270	250	250
Florida	184	281	327	410	453	460	410	402	312	325
Georgia	475	1,160	1,090	1,680	1,950	1,950	2,200	2,350	2,000	2,000
Illinois	6,800	8,320	8,850	9,240	9,620	9,350	9,150	9,200	9,050	9,020
Indiana	3,278	3,630	3,900	4,180	4,420	4,380	4,600	4,500	3,950	4,350
Iowa	5,680	6,970	7,080	7,550	8,170	8,270	8,050	8,400	7,960	8,400
Kansas	930	1,080	990	1,490	1,560	1,450	1,510	1,780	1,520	1,620
Kentucky	530	1,100	1,320	1,360	1,660	1,600	1,650	1,630	1,440	1,460
Louisiana	1,688	1,920	2,680	3,040	3,350	3,350	3,030	2,900	2,620	2,380
Maryland	213	330	325	380	405	390	355	415	385	425
Michigan	500	610	720	900	1,010	970	1,040	1,140	1,040	1,190
Minnesota	3,030	3,650	3,770	4,060	5,080	4,760	4,350	4,830	4,600	5,240
Mississippi	2,580	3,120	3,650	3,800	4,100	3,850	3,700	3,550	3,100	3,200
Missouri	3,465	4,370	4,650	5,440	5,830	5,530	5,000	5,700	5,150	5,300
Nebraska	812	1,200	1,130	1,250	1,610	1,770	2,070	2,250	2,070	2,550
New Jersey	54	102	177	191	203	194	168	170	133	133
New York-not est. after 1980	6	11	19	24	25	19	—	—	—	—
North Carolina	867	1,420	1,320	1,680	1,950	1,930	1,850	2,100	1,650	1,790
North Dakota	181	149	175	173	206	200	245	415	530	740
Ohio	2,550	3,100	3,380	3,870	4,080	3,760	3,450	3,700	3,280	3,770
Oklahoma	185	237	340	340	360	300	270	280	230	220
Pennsylvania	28	52	67	80	125	103	130	135	145	170
South Carolina	1,010	1,380	1,300	1,470	1,660	1,600	1,550	1,800	1,430	1,490
South Dakota	247	342	315	390	685	770	770	800	985	1,360
Tennessee	1,150	1,850	2,200	2,420	2,620	2,550	2,350	2,300	1,970	1,850
Texas	158	370	760	745	805	630	480	920	420	410
Virginia	339	433	440	475	536	610	635	665	610	730
Wisconsin	153	207	192	215	295	330	375	440	395	450

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

U.S. SOYBEAN YIELD BY STATE

Average Yield per Acre Harvested for Beans (Bushels)

	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Alabama	23.0	24.5	21.0	21.0	25.0	15.0	23.0	25.0	20.0	21.0
Arkansas	22.5	25.0	23.0	24.5	28.0	15.0	22.0	24.0	18.5	26.0
Delaware	21.0	25.0	24.0	29.0	30.0	20.0	27.0	24.0	29.0	24.0
Florida	28.0	24.0	25.0	25.0	29.0	22.0	24.0	26.0	25.0	24.0
Georgia	23.0	25.5	20.0	17.5	28.0	12.0	19.0	27.0	21.0	20.0
Illinois	31.0	36.0	38.0	33.5	39.0	33.5	38.0	38.5	29.5	32.0
Indiana	31.0	33.5	37.0	34.5	36.0	36.0	33.0	38.5	31.0	34.5
Iowa	32.5	34.0	35.5	37.5	37.5	38.5	40.0	36.5	35.0	31.5
Kansas	15.0	21.0	28.5	18.0	26.5	16.5	30.0	26.0	16.0	17.5
Kentucky	27.0	27.0	31.0	30.0	32.5	22.5	29.0	31.5	17.0	29.0
Louisiana	24.0	25.0	23.5	25.0	28.0	20.0	21.0	26.0	26.0	27.0
Maryland	24.0	28.0	27.0	32.0	30.0	24.0	29.5	29.0	26.0	29.0
Michigan	26.5	26.0	30.0	24.0	30.0	33.0	30.0	31.0	32.5	27.0
Minnesota	26.0	27.0	35.5	36.0	32.0	31.5	32.0	35.0	33.0	33.0
Mississippi	22.5	22.5	21.5	21.5	29.0	16.0	21.0	26.0	19.0	24.0
Missouri	25.5	26.0	32.0	28.5	31.5	24.5	30.0	30.0	20.0	20.5
Nebraska	22.0	27.0	36.0	34.0	34.0	30.0	38.0	35.0	28.5	25.5
New Jersey	25.0	26.0	24.0	31.0	30.0	18.0	29.0	25.0	23.0	31.0
New York-not est. after 1960	20.0	27.0	23.0	23.0	26.0	24.0	—	—	—	—
North Carolina	24.0	23.5	22.0	24.0	23.5	18.0	25.0	25.0	20.0	26.0
North Dakota	15.0	19.5	20.0	27.5	27.0	17.5	28.0	21.0	27.0	23.0
Ohio	28.5	33.0	35.5	33.5	35.5	36.0	28.5	36.0	32.0	36.5
Oklahoma	18.0	22.0	23.0	15.0	23.0	10.0	24.0	18.0	17.0	19.0
Pennsylvania	32.0	28.0	31.0	31.5	32.0	24.5	31.0	31.0	24.0	35.0
South Carolina	20.0	22.0	20.5	22.0	24.0	13.0	20.0	22.0	16.5	20.0
South Dakota	17.5	25.0	30.5	30.5	33.0	26.0	29.0	30.5	26.5	23.0
Tennessee	23.0	25.0	23.5	23.5	27.0	18.0	25.0	26.5	16.0	26.0
Texas	28.0	25.0	26.5	26.5	26.0	22.0	22.0	25.0	22.5	29.0
Virginia	20.0	25.0	19.0	28.0	28.5	15.0	28.0	29.0	16.0	29.5
Wisconsin	24.0	25.5	35.0	32.0	34.0	33.0	33.0	31.0	35.0	31.0

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

U.S. SOYBEAN PRODUCTION BY STATE

Total Production of Beans (Thousand Bushels)

	1970	1975	1977	1978	1979	1980	1981	1982	1983	1984
Alabama	13,800	30,870	33,600	38,850	53,750	31,500	46,460	50,000	30,000	28,770
Arkansas	99,000	117,500	105,800	115,150	44,200	65,250	99,000	105,600	70,300	101,400
Delaware	3,276	5,625	5,400	7,540	8,250	5,200	6,885	6,480	7,250	6,000
Florida	5,152	6,744	8,175	10,250	13,137	10,120	9,840	10,452	7,800	7,800
Georgia	10,925	29,580	21,800	29,400	54,600	23,400	41,800	63,450	42,000	40,000
Illinois	210,800	299,520	336,300	309,540	375,180	313,225	347,700	354,200	266,975	288,640
Indiana	101,618	121,605	144,300	144,210	159,120	157,680	151,800	173,250	122,450	150,075
Iowa	184,600	236,980	251,340	283,125	306,375	318,395	322,000	306,600	278,600	264,600
Kansas	13,950	22,680	28,215	26,820	41,340	23,925	45,300	46,280	24,320	28,350
Kentucky	14,310	29,700	40,920	40,800	53,950	36,000	47,850	51,345	24,480	42,340
Louisiana	40,512	48,000	62,980	76,000	93,800	67,000	63,630	75,400	68,120	64,260
Maryland	5,112	9,240	8,775	12,160	12,150	9,360	10,473	12,035	10,010	12,325
Michigan	13,250	15,860	21,600	21,600	30,300	32,010	31,200	35,340	33,800	32,130
Minnesota	78,780	98,550	133,835	146,160	162,560	149,940	139,200	169,050	151,800	172,920
Mississippi	58,050	70,200	78,475	81,700	118,900	61,600	77,700	92,300	58,900	76,800
Missouri	88,358	113,620	148,800	156,040	183,645	135,485	150,000	171,000	103,000	108,650
Nebraska	17,864	32,400	40,680	42,500	54,740	53,100	78,660	78,750	58,995	63,750
New Jersey	1,350	2,652	4,248	5,921	6,090	3,492	4,872	4,250	3,059	4,123
New York-not est. after 1980	120	297	437	552	650	456	—	—	—	—
North Carolina	20,808	33,370	29,040	40,320	45,825	34,740	46,250	52,500	33,000	46,540
North Dakota	2,715	2,906	3,500	4,758	5,562	3,500	6,860	8,715	14,310	17,020
Ohio	72,675	102,300	119,990	127,710	144,840	135,360	98,325	133,200	104,960	137,605
Oklahoma	3,330	5,214	7,820	5,100	8,280	3,000	6,480	5,040	3,910	4,180
Pennsylvania	896	1,456	2,077	2,520	4,000	3,185	4,030	4,185	3,480	5,950
South Carolina	20,200	30,360	26,650	32,340	39,840	20,800	31,000	39,600	23,595	29,800
South Dakota	4,323	8,550	9,608	11,895	22,605	20,020	22,330	24,400	26,103	31,280
Tennessee	26,450	46,250	52,170	56,870	70,740	45,900	58,750	60,950	31,520	48,100
Texas	4,424	9,250	20,140	19,743	20,930	13,860	10,560	23,000	9,450	11,890
Virginia	6,780	10,825	8,360	13,300	15,276	9,150	17,780	19,285	9,760	21,535
Wisconsin	3,672	5,279	6,720	6,880	10,030	10,890	12,375	13,640	13,825	13,950

Source: CROP PRODUCTION SUMMARY, U.S. Department of Agriculture, Crop Reporting Board.

ARGENTINE SOYBEAN AREA, YIELD AND PRODUCTION BY PROVINCE
1975 - 1985

Area Harvested for Beans (Thousand Hectares)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Santa Fe	208	245	404	744	858	967	832	896	927	1,201	1,286
Buenos Aires	29	43	48	139	257	454	412	547	554	641	688
Cordoba	46	72	97	138	257	332	325	383	620	721	772
Tucuman	23	24	33	55	73	82	72	77	144	154	164
Corrientes	17	18	24	50	45	46	24	20	36	34	40
Total	356	434	660	1,250	1,600	2,030	1,740	1,986	2,281	2,750	2,950

Average Yield per Hectare for Beans (Metric Tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Santa Fe	1.373	1.765	2.395	2.338	2.329	1.788	2.016	2.066	1.532	2.511	2.412
Buenos Aires	1.254	1.442	1.574	2.140	2.000	1.978	2.006	1.704	1.679	2.308	2.042
Cordoba	1.339	1.188	1.823	2.186	2.523	1.520	2.102	2.221	2.145	2.400	2.213
Tucuman	1.293	1.779	1.676	1.794	1.987	1.759	2.095	2.193	1.083	1.985	1.945
Corrientes	1.457	1.658	1.569	0.919	1.093	1.530	1.500	1.778	0.917	2.020	1.459
Total	1.362	1.601	2.121	2.160	2.313	1.773	2.011	2.090	1.754	2.400	2.237

Total Production of Beans (Thousand Metric Tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Santa Fe	285	434	970	1,600	2,180	1,769	1,679	1,850	1,420	3,014	3,106
Buenos Aires	37	62	74	280	520	908	836	905	930	1,478	1,407
Cordoba	64	84	165	286	656	463	689	1,024	1,330	1,742	1,708
Tucuman	28	44	60	95	149	138	153	167	156	305	320
Corrientes	26	30	40	37	35	73	35	34	33	69	58
Total	485	695	1,400	2,500	3,700	3,600	3,500	4,150	4,000	6,600	6,600

[1]Estimate. [2]Forecast. Source: U.S. Department of Agriculture, Foreign Agricultural Service

BRAZILIAN SOYBEAN AREA, YIELD AND PRODUCTION BY STATE
1975 - 1985

Area Harvested for Beans (Thousand Hectares)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Rio Grande / Sul	3,113	3,356	3,492	3,800	4,032	3,988	3,823	3,528	3,337	3,710	3,498
Parana	1,632	2,040	2,271	2,425	2,341	2,411	2,254	2,093	1,983	2,279	2,224
Mato Grosso / Sul[3]	194	184	363	404	580	807	777	840	926	986	1,163
Sao Paulo	391	398	454	526	536	561	544	514	506	540	505
Santa Catarina	361	337	343	404	475	520	485	443	395	488	435
Goias	56	33	61	97	153	246	291	316	375	535	556
Minas Gerais	76	81	86	113	117	162	187	228	253	294	223
Mato Grosso					19	70	120	193	343	488	596
Total	5,824	6,417	7,070	7,782	8,256	8,774	8,501	8,202	8,136	9,320	9,300

Average Yield per Hectare for Beans (Metric Tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Rio Grande / Sul	1.510	1.546	1.662	1.167	0.900	1.439	1.616	1.189	1.530	1.409	1.415
Parana	2.220	2.167	2.115	1.315	1.709	2.240	2.229	2.006	2.201	1.880	2.038
Mato Grosso / Sul[3]	1.410	1.526	1.450	0.926	1.426	1.639	1.757	1.830	2.007	1.861	1.855
Sao Paulo	1.730	1.953	1.706	1.296	1.583	1.960	1.926	1.931	2.011	1.856	1.929
Santa Catarina	1.290	1.231	1.294	1.000	0.894	1.381	1.357	1.204	1.163	1.186	1.237
Goias	1.300	1.506	1.108	0.963	1.850	1.852	1.337	1.773	1.942	1.537	1.756
Minas Gerais	1.140	1.348	1.144	1.132	1.665	1.783	1.512	1.711	1.912	1.721	1.756
Mato Grosso					1.850	1.664	1.692	1.887	2.124	1.937	1.682
Total	1.698	1.750	1.770	1.226	1.240	1.727	1.788	1.565	1.813	1.631	1.688

Total Production of Beans (Thousand Metric Tons)

	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]	1985[2]
Rio Grande / Sul	4,688	5,150	5,764	4,434	3,630	5,737	6,178	4,196	5,109	5,227	4,945
Parana	3,625	4,378	4,770	3,180	4,000	5,400	5,023	4,200	4,365	4,288	4,540
Mato Grosso / Sul[3]	273	278	523	374	827	1,323	1,366	1,537	1,858	1,833	2,155
Sao Paulo	678	773	769	683	848	1,099	1,047	993	1,018	1,001	975
Santa Catarina	467	412	441	412	425	719	658	534	460	578	540
Goias	73	49	67	94	282	456	389	561	728	822	975
Minas Gerais	87	155	97	131	195	290	283	390	483	505	570
Mato Grosso					282	117	228	366	728	945	1,000
Total	9,892	11,227	12,513	9,541	10,240	15,156	15,200	12,835	14,750	15,200	15,700

[1]Estimate. [2]Forecast. [3]Before 1979, Mato Grosso and Mato Grosso/Sul were one state. Source: U.S.D.A., Foreign Agricultural Service

CANADIAN SOYBEAN PRODUCTION

Acreage, Yield, Production, Farm Price and Value
1950-1984

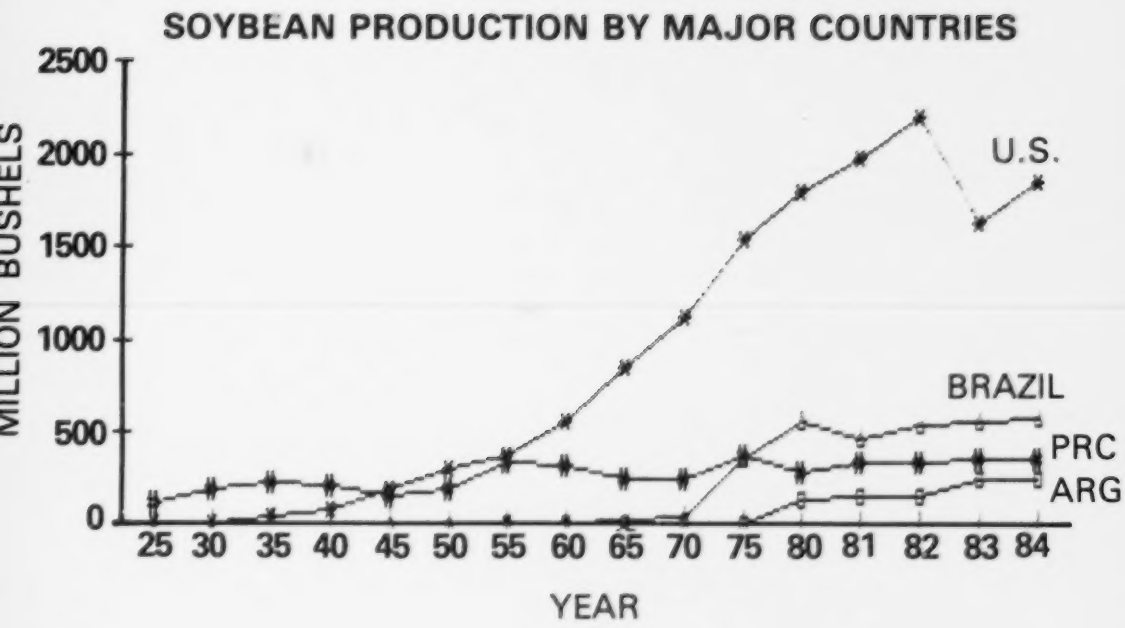
Crop Year	Harvested Acreage (Th. Acres)	Avg. Yield per Harvested Acre (Bu./Acre)	Production (Th.Bu.)	Avg. Farm Price ($/Bu.)	Total Farm Value (Th. $)
1950-51	142	23.4	3,323	2.55	8,474
1955-56	214	26.4	5,650	2.09	11,808
1960-61	227	22.0	4,997	2.03	11,521
1961-62	213	31.0	6,614	2.25	14,920
1962-63	220	30.0	6,614	2.48	16,388
1963-64	227	22.0	4,997	2.80	14,006
1964-65	230	30.4	6,981	2.87	20,021
1965-66	264	30.5	8,047	2.70	21,681
1966-67	279	32.3	9,002	3.00	27,036
1967-68	289	28.0	8,084	2.68	21,684
1968-69	294	31.3	9,039	2.42	21,845
1969-70	321	24.0	7,716	2.61	20,003
1970-71	336	31.0	10,398	2.78	28,906
1971-72	368	28.0	10,288	3.17	32,575
1972-73	405	34.0	13,779	5.73	78,902
1973-74	469	31.1	14,587	6.17	89,897
1974-75	415	27.0	11,060	6.08	62,563
1975-76	390	34.6	13,485	4.92	54,051
1976-77	378	24.3	9,186	7.05	95,069
1977-78	551	38.7	21,311	6.25	133,194
1978-79	704	26.9	18,960	7.64	144,854
1979-80	689	35.0	24,140	6.96	168,014
1980-81	684	37.1	25,353	8.33	211,182
1981-82	639	32.4	22,303	5.74	128,019
1982-83	899	34.6	31,158	5.35	166,695
1983-84	929	28.6	26,529	7.33	194,458

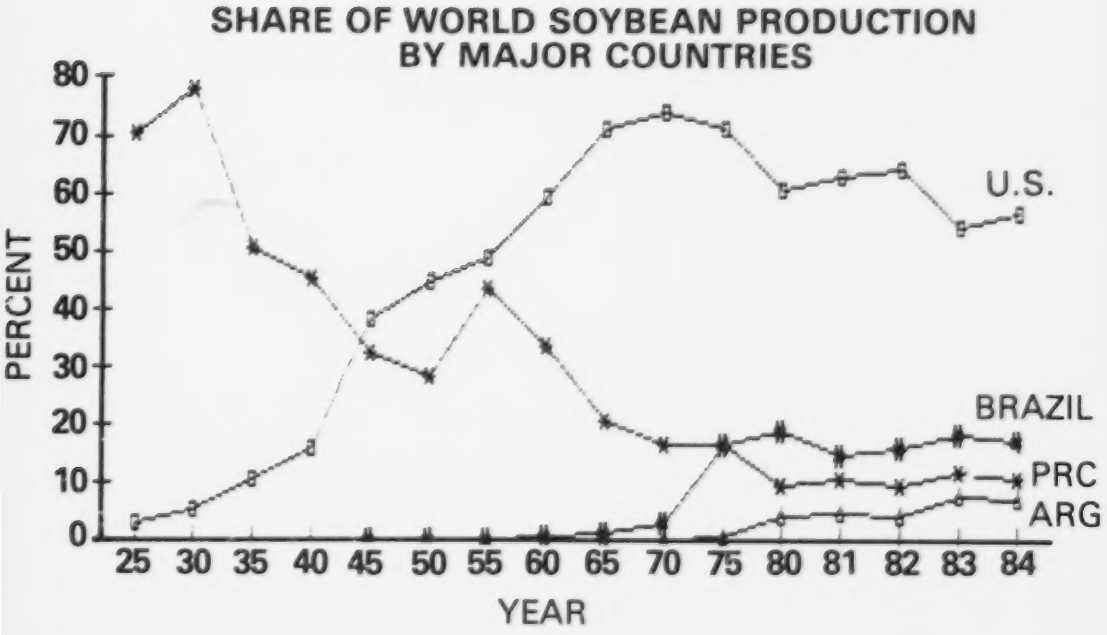
Source: Compiled from records of STATISTICS CANADA. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

CANADIAN SOYBEAN PRODUCTION AND UTILIZATION
1950-1983

Year beg. Aug. 1	Production (Th.Bu.)	Imports (Th.Bu.)	Supplies (Th.Bu.)	Exports of Beans (Th.Bu.)	Processed for Oil and Meal (Th.Bu.)	Soy Oil Produced (Th.Lb.)	Soybean Oilcake Produced (Short Tons)
1950	3,323	4,723	8,046	—	7,393	72,676	176,343
1955	5,650	8,309	13,959	1,482	11,799	124,171	279,095
1960	4,997	12,345	17,346	1,381	16,279	173,837	380,558
1961	6,614	13,329	19,960	3,671	16,916	176,821	396,067
1962	6,614	14,711	21,319	2,445	17,862	183,592	418,526
1963	4,997	15,656	20,658	1,614	18,606	192,655	441,526
1964	6,981	16,461	23,442	3,197	19,401	198,413	461,868
1965	8,047	17,049	25,096	2,168	20,650	205,026	491,631
1966	9,002	16,277	25,279	3,601	19,878	200,617	473,994
1967	8,084	13,338	21,422	1,580	19,842	198,413	471,789
1968	9,039	12,456	21,495	1,139	20,062	205,026	476,198
1969	7,716	17,380	25,096	1,102	23,883	244,709	563,281
1970	10,398	15,726	26,124	808	23,589	240,300	553,360
1971	10,288	14,808	25,096	1,396	23,296	240,300	544,542
1972	13,779	10,986	24,765	1,102	22,487	218,254	532,416
1973	14,587	12,493	27,080	1,102	23,589	240,300	554,462
1974	11,060	12,713	23,773	294	23,295	238,095	550,053
1975	13,485	13,595	27,080	808	25,721	262,346	606,271
1976	9,186	14,404	23,590	2,919	22,303	227,072	528,007
1977	21,311	9,664	30,975	2,352	26,749	273,368	625,010
1978	18,960	12,860	31,820	3,344	27,301	284,392	636,033
1979	24,140	15,506	39,646	1,984	34,466	346,120	813,506
1980	25,353	14,734	40,087	5,218	34,172	350,595	806,612
1981	22,303	15,579	37,882	3,050	35,347	361,620	835,262
1982	31,158	15,396	46,554	4,299	38,324	394,695	918,225
1983	26,529	10,288	36,547	2,241	34,429	366,030	811,019

Source: Compiled from records of STATISTICS CANADA. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.


SOYBEAN PRODUCTION BY MAJOR COUNTRIES
MILLION BUSHELS
2500
2000
1500
1000
500
0
U.S.
BRAZIL
PRC
ARG
25 30 35 40 45 50 55 60 65 70 75 80 81 82 83 84
YEAR


SHARE OF WORLD SOYBEAN PRODUCTION
BY MAJOR COUNTRIES
PERCENT
80
70
60
50
40
30
20
10
0
U.S.
BRAZIL
PRC
ARG
25 30 35 40 45 50 55 60 65 70 75 80 81 82 83 84
YEAR

WORLD SOYBEAN PRODUCTION

Area and Production in Specified Countries and the World Total
1979/80-1984/85[1]

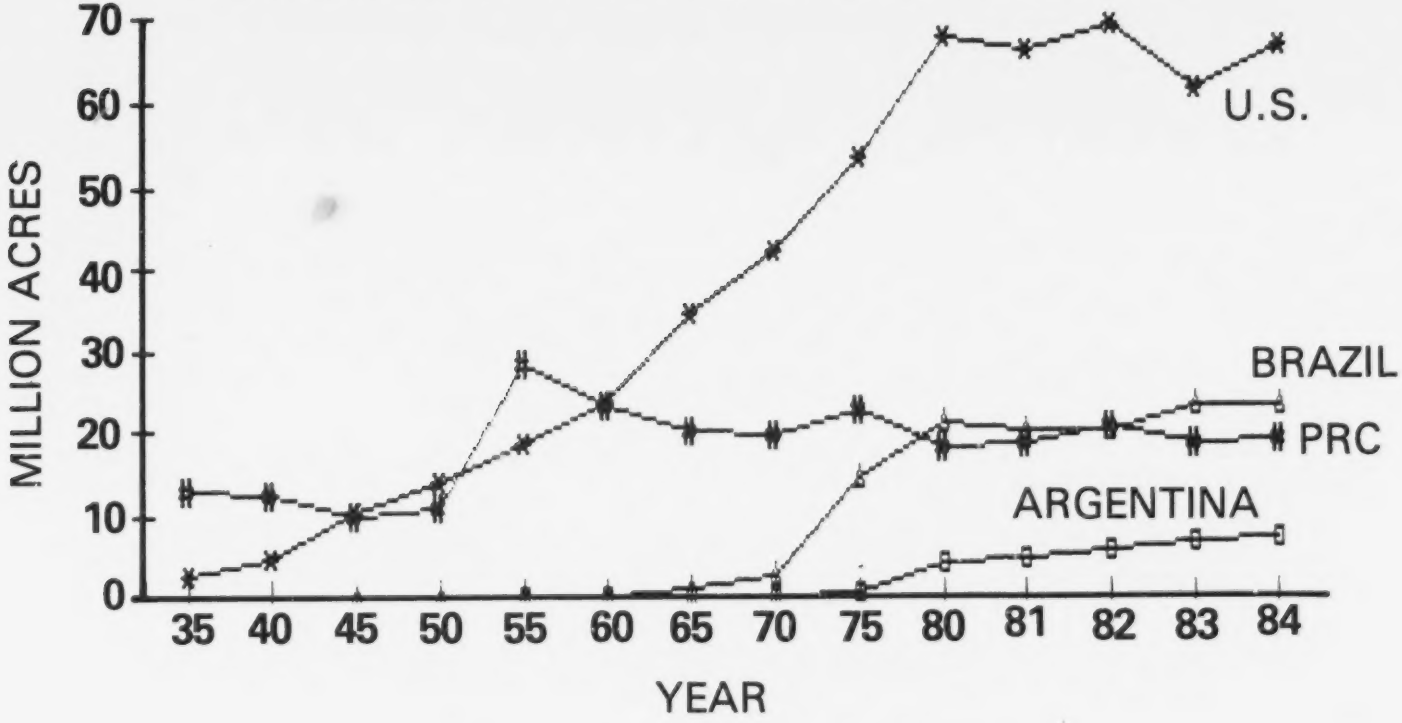
Country or Region	Area[2] (Thousand Hectares)						Production (Thousand Metric Tons)					
	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85[3]	1979/80	1980/81	1981/82	1982/83	1983/84	1984/85[3]
NORTH AMERICA:												
Canada	279	277	279	364	364	417	657	690	607	848	722	934
Mexico	380	150	370	350	350	350	680	280	680	550	600	550
United States[4]	28,467	27,443	26,776	28,102	25,303	26,748	61,525	48,921	54,135	59,610	44,518	50,642
CENTRAL & SOUTH AMERICA:												
Argentina	2,030	1,740	1,986	2,281	2,750	2,950	3,600	3,500	4,150	4,000	6,600	6,600
Bolivia	38	27	49	41	35	40	48	40	79	59	60	68
Brazil	8,774	8,501	8,702	8,136	9,320	9,300	15,156	15,200	12,835	14,750	15,200	15,700
Chile	1	1	1	0	0	0	1	1	1	0	0	0
Colombia	79	44	49	60	50	50	154	89	99	127	100	100
Ecuador	21	20	21	20	5	30	30	31	35	35	6	55
Guatemala	0	0	1	1	1	1	0	0	1	2	2	2
Paraguay[5]	400	400	420	350	420	470	575	600	600	520	550	750
Peru	4	6	6	1	1	1	5	8	8	2	2	2
Uruguay	35	35	22	15	12	15	45	45	25	15	14	17
Venezuela	3	0	0	0	0	0	5	0	0	0	0	0
AFRICA:												
Egypt	42	35	46	60	67	46	106	92	130	166	182	143
Morocco	0	0	0	1	0	1	0	0	0	1	0	1
Nigeria[6]	195	165	165	165	165	165	75	55	60	65	50	65
Zambia	4	5	8	5	7	7	4	5	8	5	7	7
South Africa[5]	28	22	22	30	35	23	40	26	21	26	32	30
Zimbabwe	51	38	60	61	57	42	89	66	89	89	86	80

Country or Region	Area[2] 1979/80	1980/81	1981/82	1982/83	1983/84	1984/85[3]	Production 1979/80	1980/81	1981/82	1982/83	1983/84	1984/85[3]
	(Thousand Hectares)						(Thousand Metric Tons)					
EUROPE:												
Bulgaria	96	94	94	69	64	75	157	107	113	116	83	100
Czechoslovakia	5	2	2	3	3	3	5	6	6	6	5	5
France	17	8	9	9	12	25	16	14	18	16	25	50
Hungary	20	20	24	29	30	35	35	37	42	49	51	62
Italy	0	0	3	3	36	80	0	0	9	9	131	280
Romania	302	364	310	269	300	300	383	448	268	301	410	320
Spain	9	7	4	3	1	3	15	14	6	5	2	8
Yugoslavia	31	17	48	77	107	115	67	34	92	198	210	227
SOVIET UNION:	838	854	864	876	848	890	467	525	450	500	560	500
ASIA:												
Burma	23	25	28	29	29	29	15	17	19	20	20	20
China:												
P.R.C.	7,247	7,226	8,024	8,414	7,567	7,700	7,460	7,940	9,325	9,030	9,765	9,700
Taiwan	15	10	8	6	5	6	26	16	12	9	9	9
India	400	392	622	770	814	900	350	442	467	491	583	750
Indonesia	732	810	608	633	702	779	653	704	521	580	625	660
Iran	58	34	50	45	50	50	95	50	80	60	70	80
Japan[5]	130	142	147	147	143	134	192	174	212	226	217	215
Korea, North	300	300	300	300	300	300	330	330	330	330	330	330
Korea, Republic of[6]	207	188	202	183	182	190	257	216	257	233	226	250
Pakistan	0	0	3	4	5	7	0	0	2	3	4	5
Philippines	10	10	7	6	6	6	9	10	8	7	7	7
Thailand[5]	109	126	128	124	158	175	102	100	131	113	172	200
Turkey	3	3	17	24	27	40	3	3	15	36	45	85
OCEANIA:												
Australia	57	40	41	48	47	69	82	73	77	53	84	113
WORLD TOTAL	51,440	49,581	50,026	52,114	50,378	52,567	93,514	80,909	86,023	93,261	82,345	89,722

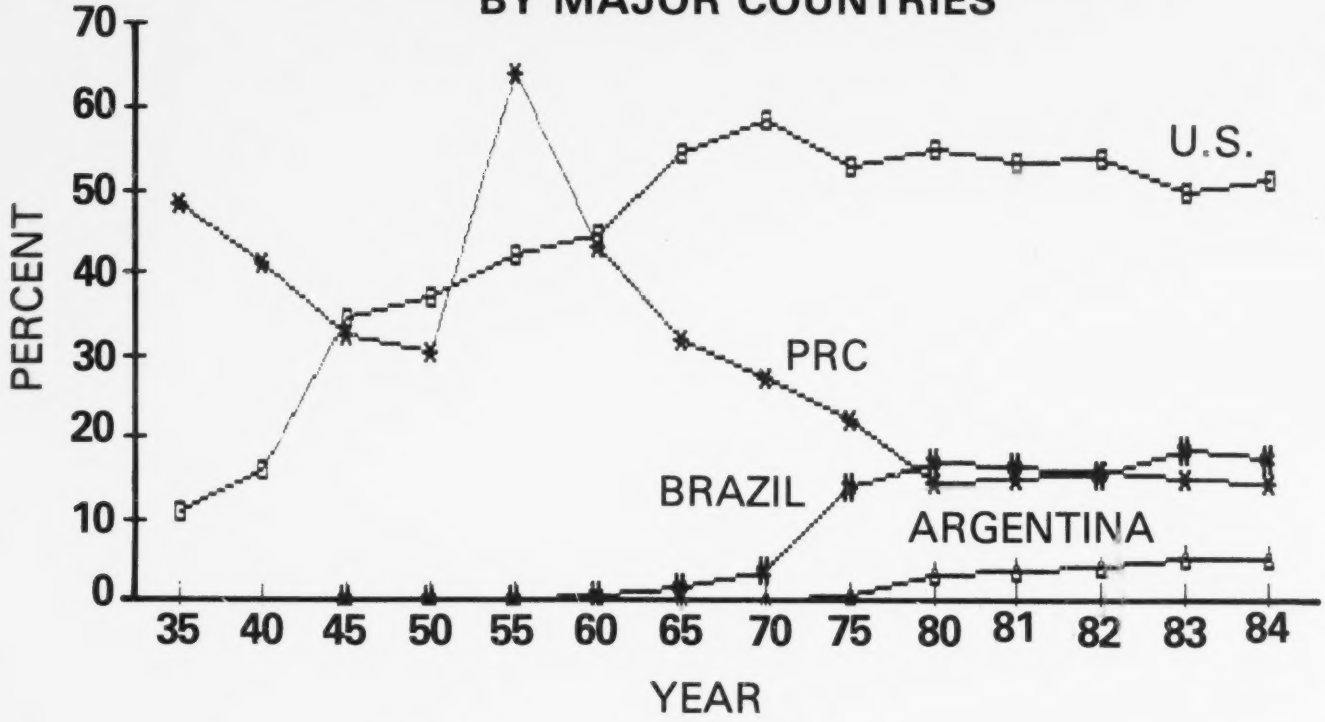
[1]Split years shown refer to years of harvest, Northern Hemisphere crops which are harvested in the first part of the split year (for example September-October 1979) and Southern Hemisphere crops which are harvested in the first part of the following year (for example March-April 1980). In this example, the split year designation would be 1979/80. [2]Figures refer to harvested areas as far as possible. [3]Estimated. [4]Hectares harvested for soybeans. [5]Planted area. [6]Quantities purchased by the Nigerian Marketing Board for exports.

Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

SOYBEAN ACREAGE BY MAJOR COUNTRIES



SHARE OF WORLD SOYBEAN ACREAGE BY MAJOR COUNTRIES

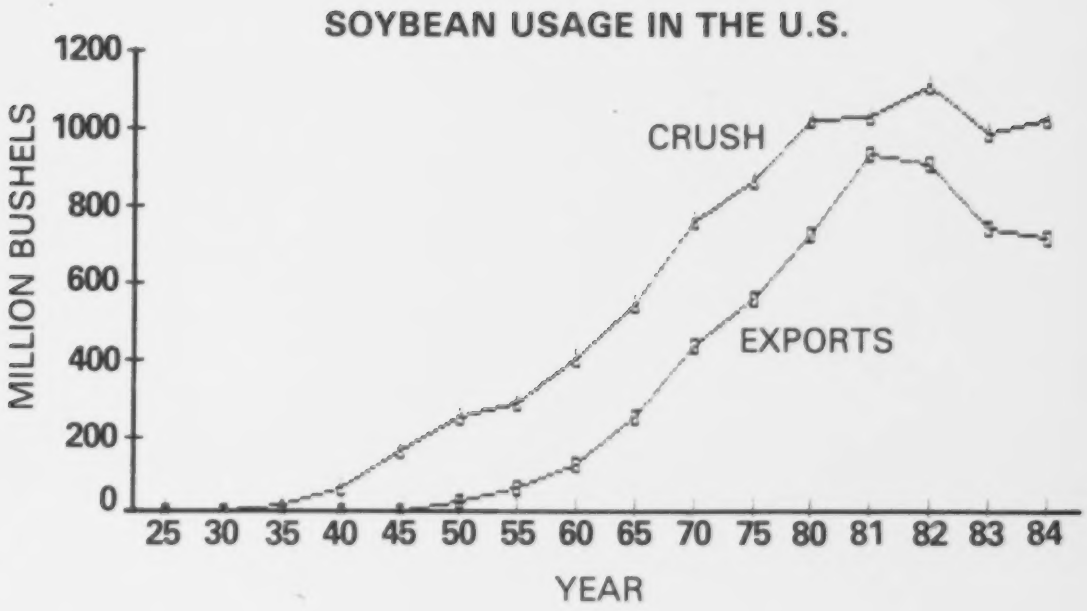


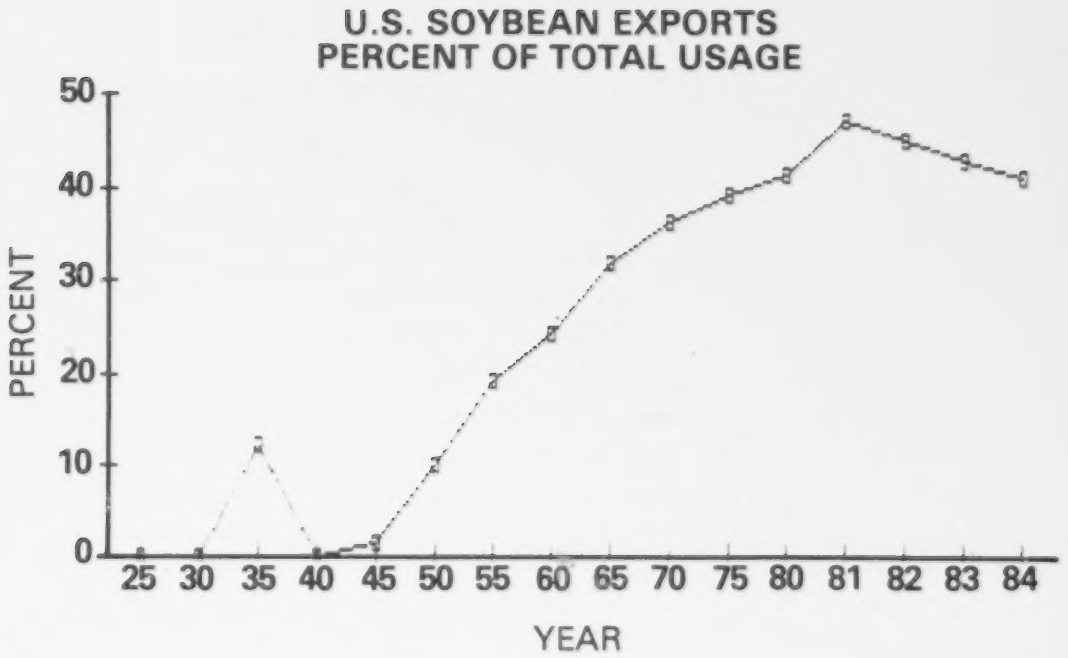
U.S. SOYBEANS: SUPPLY, DISPOSITION, ACREAGE/YIELD AND PRICE 1970-1984

	Year beginning September										
	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984[1]
SUPPLY (MIL. BUSHELS)											
Beginning stocks, Sept. 1	230.0	188.2	244.9	102.9	161.0	176.0	358.0	313.0	254.0	345.0	176.0
Production	1,127.0	1,547.4	1,287.6	1,761.8	1,869.0	2,261.0	1,798.0	1,989.0	2,190.0	1,636.0	1,861.0
Total Supply	1,357.0	1,735.6	1,532.5	1,864.7	2,030.0	2,437.0	2,156.0	2,302.0	2,444.0	1,981.0	2,037.0
DISPOSITION (MIL. BUSHELS)											
Crushings	760.0	965.1	790.2	926.7	1,018.0	1,123.0	1,020.0	1,030.0	1,108.0	983.0	1,020.0
Exports	434.0	555.1	564.1	700.5	739.0	875.0	724.0	929.0	905.0	740.0	710.0
Seed/Feed	49.0	54.7	62.0	69.0	76.0	68.0	66.0	70.0	61.0	66.0	68.0
Residual	15.0	15.8	13.3	7.5	23.0	13.0	33.0	19.0	25.0	16.0	19.0
Total disposition	1,258.0	1,490.7	1,429.6	1,703.7	1,855.0	2,079.0	1,843.0	2,048.0	2,099.0	1,805.0	1,817.0
Ending stocks, Aug. 31	99.0	244.9	102.9	161.0	174.0	358.0	313.0	254.0	345.0	176.0	220.0
Stocks % of Usage	7.9	16.4	7.2	9.4	9.5	17.2	17.0	12.4	16.4	9.8	12.1
ACREAGE AND YIELD (MIL. ACRES)											
Acreage planted	43.1	54.6	50.2	58.8	64.7	71.6	70.0	68.0	71.5	63.5	68.0
Acreage harvested for beans	42.2	53.6	49.4	57.6	63.6	70.3	67.8	66.2	69.4	61.8	66.8
Percent harvested (%)	97.9	98.3	98.2	97.9	98.3	98.2	96.9	97.4	97.1	97.3	98.2
Yield (Bu./Acre)	26.7	28.9	26.1	30.6	29.4	32.1	26.4	30.1	31.5	26.5	28.5
PRICE PER BUSHEL (DOLLARS)											
Support (U.S. farm basis)	2.25	—	2.50	3.50	4.50	4.50	5.02	5.02	5.02	5.02	5.02
Farm Price	2.85	4.92	6.81	5.88	6.66	6.28	7.57	6.08	5.65	7.75	5.90
No. 1 Yellow, IL pts.	3.00	5.26	7.33	6.14	7.11	6.51	7.68	6.27	6.12	7.86	

[1]Forecast.

Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84); U.S. Department of Agriculture, Economic Research Service.


SOYBEAN USAGE IN THE U.S.
MILLION BUSHELS
1200
1000
800
600
400
200
0
CRUSH
EXPORTS
25 30 35 40 45 50 55 60 65 70 75 80 81 82 83 84
YEAR


U.S. SOYBEAN EXPORTS
PERCENT OF TOTAL USAGE
PERCENT
50
40
30
20
10
0
25 30 35 40 45 50 55 60 65 70 75 80 81 82 83 84
YEAR

PRICES OF U.S. SOYBEANS: NO. 1 YELLOW

Average Price Per Bushel, Illinois Country Shipping Points By Month (In Dollars)

Year[1]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	AVERAGE
1950	2.45	2.30	2.72	2.95	3.10	3.25	3.25	3.25	3.24	3.04	2.94	2.87	2.95
1955	2.24	2.22	2.19	2.27	2.35	2.45	2.56	2.85	3.10	2.97	2.54	2.40	2.51
1960	2.07	2.04	2.05	2.15	2.39	2.66	2.88	3.14	3.06	2.73	2.59	2.63	2.53
1965	2.61	2.38	2.49	2.62	2.77	2.84	2.82	2.92	3.03	3.30	3.49	3.63	2.91
1966	3.13	2.88	2.89	2.95	2.88	2.84	2.82	2.80	2.80	2.82	2.74	2.72	2.86
1967	2.62	2.51	2.50	2.57	2.62	2.64	2.64	2.64	2.65	2.64	2.64	2.62	2.61
1968	2.50	2.32	2.45	2.52	2.55	2.55	2.56	2.60	2.64	2.61	2.64	2.60	2.54
1969	2.41	2.30	2.36	2.41	2.47	2.46	2.47	2.58	2.65	2.73	2.80	2.75	2.53
1970	2.75	2.90	2.97	2.88	2.99	3.01	3.00	2.91	2.99	3.12	3.30	3.23	3.00
1971	3.01	3.01	2.98	3.06	3.05	3.14	3.35	3.47	3.47	3.44	3.48	3.45	3.24
1972	3.42	3.61	3.64	4.07	4.46	5.80	6.15	6.52	8.94	10.84	8.47	9.00	6.22
1973	6.10	5.62	5.57	5.92	6.19	6.35	6.29	5.59	5.47	5.51	7.11	7.76	6.12
1974	7.64	8.30	7.54	7.23	6.38	5.69	5.60	5.55	5.19	5.16	5.60	6.02	6.32
1975	5.57	5.01	4.71	4.58	4.64	4.75	4.72	4.75	5.23	6.23	6.66	6.31	5.26
1976	6.59	6.22	6.55	6.86	7.06	7.26	8.25	9.60	9.42	8.25	6.40	5.49	7.33
1977	5.16	5.07	5.84	5.94	5.73	5.65	6.58	6.81	7.01	6.76	6.62	6.47	6.14
1978	6.42	6.72	6.68	6.81	6.89	7.28	7.45	7.27	7.21	7.70	7.64	7.28	7.11
1979	7.04	6.56	6.52	6.53	6.36	6.42	6.07	5.80	6.04	6.10	7.22	7.45	6.51
1980	8.13	8.27	8.91	7.73	7.57	7.34	7.37	7.72	7.58	7.13	7.36	6.94	7.67
1981	6.44	6.30	6.28	6.23	6.30	6.24	6.16	6.42	6.56	6.31	6.20	5.73	6.26
1982	5.40	5.26	5.70	5.73	5.81	5.86	5.98	6.35	6.27	6.06	6.59	8.46	6.12
1983	8.93	8.46	8.20	7.77	7.67	7.37	7.97	7.98	8.61	7.91	6.85	6.63	7.86

[1]Year begins in September. Note: Beginning September 1953, price quotations are for No.1 and No.2 yellow soybeans when the degrading factors were test weight and/or splits only. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84), U.S. Department of Agriculture, Economic Research Service.

PRICES OF U.S. SOYBEANS: RECEIVED BY FARMERS

Average Price Per Bushel By Month[1] (In Dollars)

Year[2]	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	AVERAGE[3]
1950	2.26	2.03	2.54	2.70	2.90	3.08	3.10	3.12	3.13	2.98	2.86	2.71	2.47
1955	2.00	2.08	2.06	2.11	2.19	2.25	2.38	2.63	2.98	2.87	2.47	2.33	2.22
1960	1.97	1.94	1.96	1.99	2.23	2.48	2.68	3.02	2.96	2.60	2.48	2.49	2.13
1965	2.35	2.31	2.36	2.48	2.67	2.77	2.71	2.78	2.90	3.04	3.37	3.49	2.54
1966	2.97	2.78	2.80	2.82	2.77	2.71	2.74	2.71	2.69	2.71	2.66	2.56	2.75
1967	2.53	2.44	2.43	2.48	2.53	2.57	2.57	2.56	2.58	2.54	2.52	2.51	2.49
1968	2.40	2.32	2.40	2.42	2.46	2.48	2.48	2.51	2.56	2.52	2.52	2.51	2.43
1969	2.28	2.23	2.30	2.30	2.36	2.40	2.42	2.48	2.52	2.60	2.72	2.65	2.35
1970	2.66	2.67	2.86	2.77	2.86	2.92	2.91	2.80	2.85	2.98	3.18	3.09	2.85
1971	2.95	2.96	2.84	2.93	2.92	3.00	3.20	3.37	3.35	3.32	3.34	3.36	3.03
1972	3.26	3.13	3.38	3.95	4.10	5.49	6.05	6.14	8.27	10.00	6.69	8.99	4.37
1973	5.81	5.63	5.14	5.65	5.87	6.07	5.96	5.15	5.21	5.13	6.10	7.55	5.68
1974	7.32	8.17	7.44	7.03	6.30	5.72	5.31	5.60	5.00	4.90	5.28	5.80	6.64
1975	5.32	4.92	4.45	4.28	4.46	4.50	4.46	4.52	4.87	6.16	6.73	6.07	4.92
1976	6.65	5.90	6.11	6.56	6.81	7.06	7.83	9.05	9.24	8.13	6.52	5.48	6.81
1977	5.17	5.28	5.61	5.68	5.75	5.53	6.20	6.49	6.77	6.69	6.40	6.21	5.88
1978	6.20	6.26	6.41	6.49	6.58	6.99	7.16	7.06	7.06	7.36	7.36	7.07	6.66
1979	6.81	6.35	6.30	6.27	6.39	6.20	5.94	5.63	5.91	5.76	6.75	7.18	6.28
1980	7.59	7.68	8.18	7.80	7.80	7.50	7.59	7.60	7.42	7.10	7.16	6.71	7.57
1981	6.21	6.06	6.04	6.00	6.13	6.04	5.99	6.17	6.27	6.12	5.99	5.59	6.04
1982	5.22	5.06	5.34	5.46	5.56	5.66	5.82	6.08	6.05	5.91	6.28	7.57	5.65
1983	8.28	7.96	7.80	7.74	7.85	7.29	7.69	7.82	8.24	7.99	6.95	6.50	7.75

[1]Monthly prices computed by weighting state prices by estimated sales for the month. [2]Year begins in September. [3]Includes allowance for unredeemed loans and purchase agreement deliveries by states. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84), U.S. Department of Agriculture, Economic Research Service.

U.S. SOYBEAN CROP VALUE

U.S. and Major Producing States
1925-1984 (In $1,000)

Year	U.S.	Illinois	Iowa	Indiana	Ohio	Missouri	Minnesota	Arkansas
1925	$11,430	$3,077	$260	$872	$571	$905	–	$69
1930	19,058	8,225	1,350	2,495	651	1,584	–	184
1935	35,565	18,983	4,510	4,879	1,771	1,140	76	604
1940	70,224	29,675	12,478	8,929	8,168	1,601	779	832
1945	402,234	156,416	73,143	58,889	39,935	19,843	13,860	6,822
1950	737,760	238,383	112,094	89,208	62,539	64,790	42,785	28,357
1955	830,909	227,956	101,293	99,951	66,640	71,155	98,412	44,469
1956	980,299	295,466	108,500	112,584	68,693	78,303	111,910	58,942
19 .	1,002,641	266,904	156,474	111,320	67,813	76,503	109,608	63,528
1958	1,160,112	292,207	160,505	120,731	75,051	109,755	106,791	93,530
1959	1,046,468	250,639	119,906	117,992	71,659	97,383	80,709	106,928
1960	1,184,910	288,335	141,164	140,843	80,063	102,304	87,623	109,231
1961	1,543,909	366,556	221,256	168,903	108,486	142,381	121,147	114,812
1962	1,564,352	378,153	218,177	176,670	102,287	141,996	100,433	143,283
1963	1,755,076	414,444	266,053	183,192	103,741	159,000	141,513	145,145
1964	1,836,441	385,615	311,584	176,835	109,225	144,986	148,304	175,854
1965	2,151,305	467,141	329,121	199,362	129,702	192,762	155,213	195,392
1966	2,553,407	447,536	397,931	202,664	165,578	229,886	215,858	233,186
1967	2,432,564	471,286	360,662	176,082	126,499	186,006	174,360	228,450
1968	2,679,210	520,512	434,203	249,293	166,603	246,154	172,072	215,507
1969	2,647,499	536,583	424,446	246,422	160,423	190,008	178,143	228,027
1970	3,204,650	611,320	520,572	289,611	195,389	250,937	229,126	279,484
1971	3,559,708	729,086	548,753	330,980	247,438	292,978	196,935	277,350
1972	5,550,459	1,159,697	1,023,840	462,383	344,585	466,092	413,574	334,530
1973	8,724,231	1,642,709	1,477,300	763,513	507,088	710,640	693,840	338,800
1974	8,069,585	1,314,614	1,266,149	685,613	536,718	611,654	525,840	568,632
1975	7,617,984	1,530,547	1,206,228	605,593	511,500	549,921	494,721	551,075
1976	8,768,979	1,758,834	1,409,648	747,184	664,330	558,600	479,697	533,520
1977	10,351,545	2,021,163	1,487,933	806,637	698,342	854,112	789,627	650,670
1978	12,458,598	2,078,089	1,930,082	963,323	852,994	1,056,284	952,963	773,808
1979	14,250,214	2,448,857	1,890,334	1,005,638	916,837	1,142,272	975,360	928,648
1980	13,559,595	2,361,248	2,352,939	1,195,214	1,036,858	1,028,331	1,084,066	516,128
1981	12,071,341	2,161,725	1,916,880	922,944	616,455	934,856	803,184	610,830
1982	12,462,779	2,086,238	1,784,412	954,608	756,576	959,310	982,181	602,976
1983	12,774,974	2,119,782	2,159,150	974,702	830,234	807,520	1,159,752	553,261
1984*	11,402,008	1,804,000	1,600,830	922,961	846,271	668,198	1,046,166	633,750

*Preliminary.
Source: U.S. Department of Agriculture, Statistical Reporting Service.

U.S. SOYBEAN MEAL AND OIL: SUPPLY AND DISPOSITION 1970-1984

	Year beginning October										
	1970	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
CRUSH (MIL. BUSHELS)	760	865	790	927	1,018	1,123	1,020	1,030	1,108	983	1,020
SOYBEAN MEAL (THOUSAND SHORT TONS)											
Beginning Stocks, Oct 1	137	358	355	229	243	267	226	163	175	474	255
Production	18,035	20,754	18,489	22,371	24,354	27,105	24,314	24,634	26,700	22,758	24,435
Total Supply	18,172	21,112	18,844	22,599	24,597	27,372	24,540	24,797	26,875	23,232	24,690
Domestic Usage	13,467	15,612	14,057	16,276	17,720	19,238	17,600	17,714	19,450	17,541	18,950
Exports	4,559	5,145	4,599	6,080	6,610	7,908	6,777	6,908	7,050	5,436	5,200
Total Usage	18,026	20,757	18,656	22,356	24,330	27,146	24,377	24,622	26,500	22,977	24,150
Ending Stocks, Sept 30	146	355	188	243	267	226	163	175	375	255	540
SOYBEAN OIL (MIL. BUSHELS)											
Beginning Stocks, Oct 1	543	561	1,251	767	729	776	1,210	1,736	1,103	1,261	721
Production	8,265	9,630	8,578	10,288	11,323	12,105	11,270	10,979	12,017	10,872	11,394
Total Supply	8,808	10,191	9,829	11,055	12,052	12,881	12,480	12,715	13,120	12,133	12,115
Domestic Usage	6,293	7,964	7,515	8,269	8,942	8,981	9,110	9,536	9,850	9,593	9,700
Exports	1,742	976	1,547	2,057	2,334	2,690	1,629	2,077	1,900	1,814	1,750
Total Usage	8,035	8,940	9,062	10,326	11,276	11,671	10,739	11,613	11,750	11,412	11,450
Ending Stocks, Sept 30	773	1,251	767	729	776	1,210	1,741	1,102	1,370	721	665

Source: U.S. Department of Agriculture, Economic Research Service, World Outlook Board.

ARGENTINE SOYBEANS AND PRODUCTS: SUPPLY AND DISPOSITION
LOCAL MARKETING YEARS (APRIL-MARCH)
(Thousand Metric Tons)

	Area Harvested for Beans (Th. Hectares)	Average Yield per Hectare (Metric Tons)	Total Production of Beans	Imports	Exports	Crush	Domestic Consumption	Ending Stocks
SOYBEANS								
1975/76	356	1.362	485	0	0	529	574	218
1976/77	434	1.601	695	0	111	496	567	235
1977/78	660	2.121	1,400	0	623	589	725	287
1978/79	1,250	2.160	2,700	0	1,969	686	871	147
1979/80	1,600	2.313	3,700	0	2,776	639	844	227
1980/81	2,030	1.773	3,600	0	2,726	720	897	204
1981/82	1,740	2.011	3,500	0	2,190	1,081	1,279	235
1982/83	1,986	2.090	4,150	0	2,151	1,907	2,127	107
1983/84	2,281	1.754	4,000	0	1,350	2,369	2,619	138
1984/85	2,750	2.400	6,600	0	3,125	3,200	3,490	123
1985/86	2,950	2.237	6,600	0	2,450	3,850	4,140	133
SOYBEAN MEAL								
1975/76	—	—	406	0	158	—	265	13
1976/77	—	—	384	0	251	—	131	15
1977/78	—	—	455	0	325	—	141	4
1978/79	—	—	536	0	370	—	156	14
1979/80	—	—	499	0	260	—	244	9
1980/81	—	—	561	0	277	—	277	16
1981/82	—	—	838	0	591	—	241	22
1982/83	—	—	1,500	0	1,209	—	261	52
1983/84	—	—	1,900	0	1,765	—	89	98
1984/85	—	—	2,500	0	2,200	—	250	148
1985/86	—	—	3,025	0	2,750	—	260	163
SOYBEAN OIL								
1975/76	—	—	92	0	20	—	67	8
1976/77	—	—	81	0	67	—	18	4
1977/78	—	—	96	0	64	—	33	3
1978/79	—	—	112	0	59	—	52	4
1979/80	—	—	106	0	102	—	4	4
1980/81	—	—	121	0	88	—	25	12
1981/82	—	—	183	0	84	—	103	8
1982/83	—	—	312	0	220	—	82	18
1983/84	—	—	390	0	298	—	70	40
1984/85	—	—	528	0	445	—	75	48
1985/86	—	—	635	0	550	—	76	57

Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

BRAZILIAN SOYBEANS AND PRODUCTS: SUPPLY AND DISPOSITION
LOCAL MARKETING YEARS (FEBRUARY-JANUARY)
(Thousand Metric Tons)

	Area Harvested for Beans (Th. Hectares)	Average Yield per Hectare (Metric Tons)	Total Production of Beans	Imports	Exports	Crush	Domestic Consumption	Ending Stocks
SOYBEANS								
1975/76	5,824	1.698	9,892	0	3,516	5,516	6,171	564
1976/77	6,417	1.750	11,227	0	3,328	6,374	7,122	1,360
1977/78	7,070	1.770	12,513	0	2,581	8,661	9,486	1,806
1978/79	7,782	1.226	9,541	89	659	8,882	9,720	1,057
1979/80	8,256	1.240	10,240	253	638	9,094	9,989	923
1980/81	8,774	1.727	15,156	474	1,533	13,009	13,929	1,091
1981/82	8,501	1.778	15,200	934	1,502	13,796	14,686	1,037
1982/83	8,202	1.565	12,835	1,252	797	12,728	13,623	704
1983/84	8,136	1.813	14,750	34	1,316	12,873	13,853	319
1984/85	9,320	1.631	15,200	150	1,600	12,700	13,680	389
1985/86	9,300	1.688	15,700	50	2,000	12,700	13,680	459
SOYBEAN MEAL								
1975/76	—	—	4,279	0	3,450	—	810	86
1976/77	—	—	4,945	0	4,078	—	847	106
1977/78	—	—	6,616	0	5,329	—	1,255	138
1978/79	—	—	6,842	0	5,368	—	1,461	151
1979/80	—	—	7,040	0	5,038	—	1,971	182
1980/81	—	—	9,968	0	6,936	—	2,595	619
1981/82	—	—	10,607	0	8,562	—	2,271	393
1982/83	—	—	9,879	0	7,822	—	1,956	494
1983/84	—	—	9,960	0	7,994	—	2,169	291
1984/85	—	—	9,855	0	7,600	—	2,000	546
1985/86	—	—	9,817	0	7,800	—	2,100	463
SOYBEAN OIL								
1975/76	—	—	1,022	0	320	—	702	150
1976/77	—	—	1,180	0	430	—	800	100
1977/78	—	—	1,585	0	560	—	1,025	100
1978/79	—	—	1,629	0	522	—	1,110	97
1979/80	—	—	1,669	123	459	—	1,309	121
1980/81	—	—	2,464	3	809	—	1,516	262
1981/82	—	—	2,585	0	1,212	—	1,490	145
1982/83	—	—	2,392	22	873	—	1,505	181
1983/84	—	—	2,408	43	947	—	1,575	110
1984/85	—	—	2,390	130	950	—	1,550	130
1985/86	—	—	2,375	100	950	—	1,550	105

Source: Counselor and Attache Reports, Official Statistics and Estimates from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. SOYBEAN PRICE SUPPORT OPERATIONS

Year Beginning October	Production (1,000 Bu.)	Owned by CCC on Oct. 1 (1,000 Bu.)	Under Price Support: Loans (1,000 Bu.)	Under Price Support: Purchase Agreements (1,000 Bu.)	Under Price Support: Total (1,000 Bu.)	% of Crop %	Deliveries to CCC (1,000 Bu.)	Support Rate Per Bu. $	Season Avg. Price Rec'd by Farmers[1] $	Price Rec'd by Farmers as % of Parity[2] %
1945	193,167	–	32	–	32	0.02	–	2.04	2.08	123
1950	299,249	7	14,716	238	14,954	5.00	29.0	2.06	2.47	102
1955	373,682	6,570	27,490	2,643	30,133	8.10	2.0	2.04	2.22	82
1960	555,085	9,700	25,400	200	25,600	4.60	0.0	1.85	2.13	84
1961	678,554	0	114,700	17,800	132,500	19.50	57,200.0	2.30	2.28	79
1962	669,186	42,500[3]	66,600	2,200	68,800	10.30	1.2	2.25	2.34	79
1963	699,165	1,700	69,600	3,200	72,800	10.40	12.2	2.25	2.51	83
1964	700,921	3,038	28,572	–	28,572	4.10	8.0	2.25	2.62	86
1965	845,608	9	86,517	–	86,517	10.20	29.0	2.25	2.54	84
1966	928,481	1	153,142	–	153,154	16.50	25,955.0	2.50	2.75	85
1967	976,439	7,363[4]	200,638	–	200,638	20.50	83,488.0	2.50	2.49	75
1968	1,106,958	41,555[5]	336,862	–	336,862	30.50	166,327.0	2.50	2.43	71
1969	1,133,120	180,867[6]	179,496	–	179,496	15.90	230.0	2.25	2.35	65
1970	1,127,100	115,311[7]	146,416	–	146,416	13.00	37.0	2.25	2.85	75
1971	1,176,101	1,401	168,204	–	168,204	14.30	45.0	2.25	3.03	72
1972	1,270,608	–	90,555	–	90,555	7.10	6.0	2.25	4.37	88
1973	1,547,543	–	124,177	–	124,177	8.00	4.0	2.25	5.68	92
1974	1,216,287	–	34,554	–	34,554	2.80	–	2.25	6.64	95
1975	1,548,344	–	–	–	–	–	–	None	4.92	68
1976	1,288,608	–	22,471	–	22,471	1.70	4.0	2.50	6.81	90
1977	1,767,267	–	97,262	–	97,262	5.50	18.0	3.50	5.88	77
1978	1,868,754	–	64,208	–	64,208	3.40	13.0	4.50	6.66	75
1979	2,260,665	1	122,349	–	122,349	5.40	42.0	4.50	6.28	62
1980	1,797,543	19	133,192	–	133,192	7.40	56.0	5.02	7.57	65
1981	1,989,110	2,704	221,154	–	221,154	11.10	84.0	5.02	6.04	47
1982	2,190,297	20,770	396,564	–	396,564	18.10	121.0	5.02	5.69	43
1983	1,635,772	3,018	100,210	–	–	6.10	27.0	5.02	7.81	60
1984	1,860,783	–	–	–	–	–	–	5.02	–	–

[1]State average weighted by sales to obtain national average. Prices for years in which there was a substantial volume of deliveries to CCC from loans and purchase agreements include an allowance for such deliveries valued at average loan rates. [2]Generally mid-September parity prices. [3]Excludes 11 million bushels resealed in farm storage. [4]Excludes 20 million bushels resealed in farm storage. [5]Excludes 52 million bushels resealed. [6]Excludes 103 million bushels resealed. [7]Excludes 42 million bushels resealed.

Source: U.S. Department of Agriculture, Agricultural Stabilization & Conservation Service, Analysis Division.

U.S. OILSEED CAKE AND MEALS: SUPPLY, DISPOSITION AND PRICE

1976-1984

Year Beginning October	Supply				Disposition				Price per Ton[2]
	Stocks Oct.1[1]	Production	Imports	Total	Domestic Disappearance 1,000 tons	Exports	Shipments	Total	Dollars
1976									
Soybean	355	18,488	—	18,843	14,001	4,559	55	18,615	$199.80
Cottonseed	20	1,643	2	1,665	1,524	50	32	1,606	175.80
Linseed	7	210	1	218	127	87	—	214	156.85
Peanut	2	204	—	206	203	—	—	203	207.40
Total	384	20,545	3	20,932	15,855	4,696	87	20,638	—
1977									
Soybean	228	22,371	—	22,599	16,209	6,080	67	22,356	164.20
Cottonseed	59	2,083	4	2,146	1,920	115	42	2,077	140.45
Linseed	4	236	4	244	83	158	—	241	137.75
Peanut	3	99	—	102	100	—	—	100	164.35
Total	294	24,789	8	25,091	18,312	6,353	109	24,774	—
1978									
Soybean	243	24,354	—	24,597	17,673	6,610	47	24,330	190.10
Cottonseed	69	1,885	9	1,963	1,747	150	15	1,912	164.80
Linseed	3	244	2	249	125	118	—	243	152.20
Peanut	2	104	—	106	105	—	—	105	198.50
Total	317	26,587	11	26,915	19,650	6,878	62	26,590	—
1979									
Soybean	267	27,105	—	27,372	19,153	7,932	61	27,146	181.90
Cottonseed	51	2,049	7	2,107	1,863	175	16	2,054	164.10
Linseed	6	207	2	215	134	76	—	210	154.40
Peanut	1	125	—	126	125	—	—	125	186.10
Total	325	29,486	9	29,820	21,275	8,183	77	29,535	—
1980									
Soybean	226	24,312	—	24,538	17,534	6,774	57	24,375	218.20
Cottonseed	53	1,790	—[3]	1,843	1,625	99	11	1,735	197.05
Linseed	5	260	1	266	120	142	—	262	160.55
Peanut	1	84	—	85	84	—	—	84	236.05
Total	285	26,446	1	26,732	19,363	7,015	68	26,456	—
1981									
Soybean	163	24,634	—	24,797	17,673	6,908	41	24,622	182.50
Cottonseed	108	2,190	—	2,298	2,019	107	18	2,144	156.15
Linseed	4	185	2	191	83	103	—	186	151.75
Peanut	1	124	—	125	124	—	—	124	182.10
Total	276	27,133	2	27,411	19,898	7,118	59	27,076	—
1982									
Soybean	175	26,714	—	26,889	19,306	7,109	—	26,415	187.20
Cottonseed	154	1,588	—	1,742	1,648	1	—	1,649	176.55
Linseed	5	180	2	187	87	94	—	182	145.05
Peanut	1	70	—	71	102	—	—	69	198.30
Total	335	28,552	2	28,889	21,111	7,204	—	28,315	—
1983									
Soybean	474	22,756	—	23,230	17,539	5,436	—	22,975	188.20
Cottonseed	93	1,134	—	1,227	1,126	1	—	1,127	189.85
Linseed	5	236	1	242	122	113	—	235	140.20
Peanut	2	71	—	73	70	—	—	70	209.00
Total	574	24,197	1	24,772	18,857	5,550	—	24,407	—
1984[4]									
Soybean	255	24,265	—	24,520	19,150	4,800	—	23,950	128.50
Cottonseed	100	1,700	—	1,800	1,670	5	—	1,675	107.50
Linseed	7	200	2	209	109	95	—	204	97.50
Peanut	3	127	—	130	126	—	—	126	142.00
Total	365	26,292	2	26,659	21,055	4,900	—	25,955	—

[1]Stocks at processing mills. [2]Soybean meal, 44% protein, bulk Decatur. Cottonseed meal, 41% protein, bulk Memphis. Peanut meal, 50% protein, southeast milling points. [3]Less than 500 tons. [4]Forecast. Source: U.S. Department of Agriculture, Agriculture Stabilization & Conservation Service, Analysis Division.

U.S. FARM MARKETINGS OF SOYBEANS

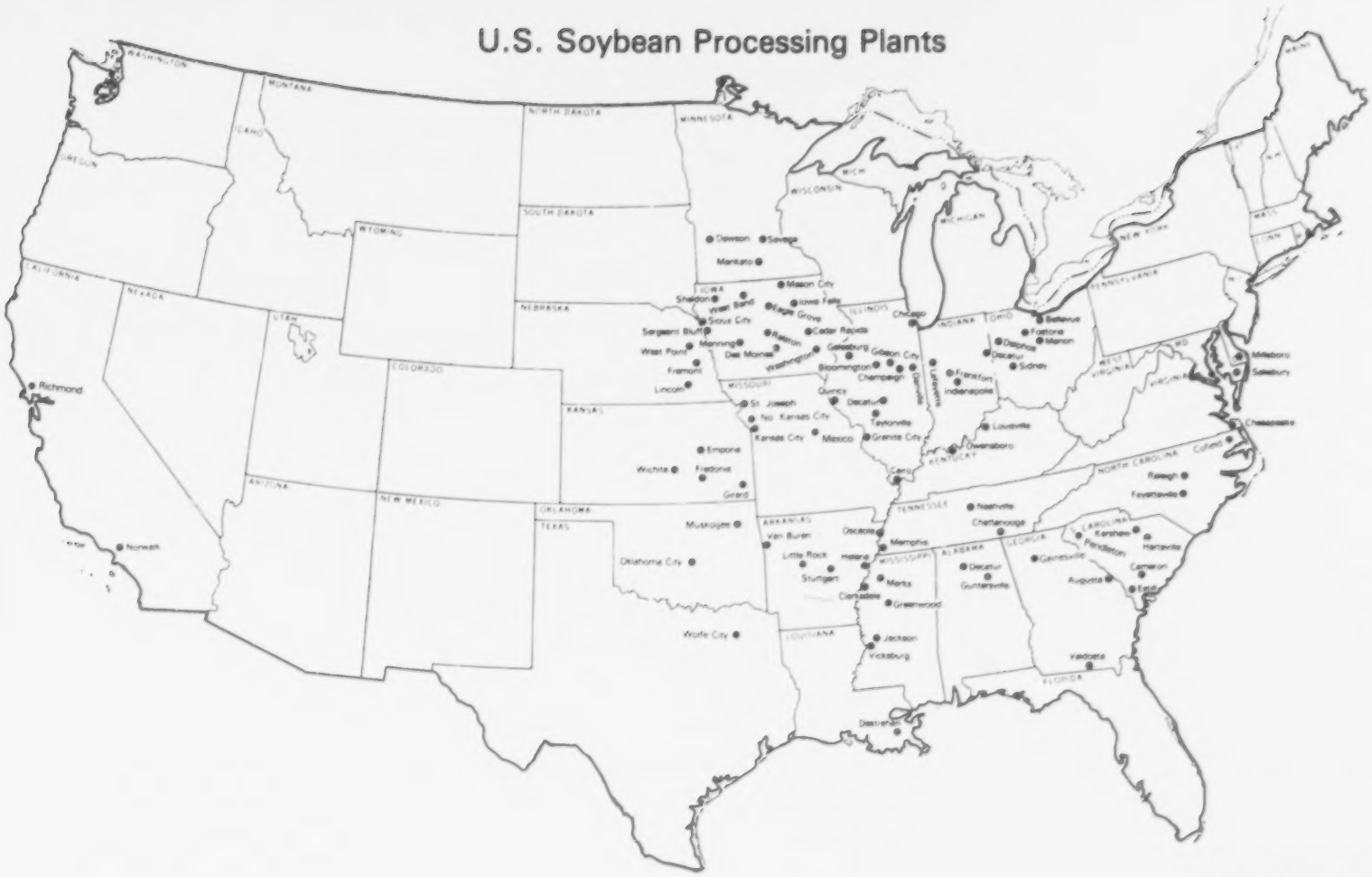
Percent of Open Market Farm Sales, by Month
1974/75 – 1983/84

Crop Marketing Season

Month	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
September	3.7	4.7	8.3	3.5	6.9	5.0	9.9	6.0	5.7	8.1
October	24.0	20.1	22.4	18.4	25.1	21.7	25.2	18.4	17.6	20.2
November	15.9	13.9	15.4	11.7	10.5	11.4	11.4	15.6	14.0	12.0
December	7.0	6.8	7.7	8.1	6.2	7.3	5.4	7.2	8.5	7.4
January	9.6	10.7	12.3	9.1	11.3	10.4	10.4	10.7	12.6	11.7
February	5.2	7.1	9.8	8.4	10.2	7.3	4.3	6.4	6.2	5.5
March	6.0	6.9	8.7	13.1	6.7	6.6	7.8	6.6	6.7	9.7
April	5.0	6.1	7.2	7.7	4.5	5.3	5.9	9.1	5.7	6.3
May	5.6	7.0	3.4	7.1	4.4	6.4	5.0	6.7	4.0	11.0
June	6.5	6.1	1.9	4.4	6.9	6.4	3.6	4.0	4.3	3.2
July	6.7	5.6	1.2	4.0	3.5	6.9	5.4	4.9	7.8	2.1
August	4.8	5.0	1.7	4.5	3.8	5.3	5.7	4.4	6.9	2.7
Year	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Source: U.S. Department of Agriculture, Statistical Reporting Service.

U.S. Soybean Processing Plants



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VALUE OF U.S. SOYBEAN PRODUCTS (PER BUSHEL) AND CRUSH MARGIN 1950-1983

	Value of Products per Bushel							Soybean Price		Margin Between Value of Products and Soybean Price	
	Soy Oil			Soybean Meal			Total				
Year beg. Sept.	Yield[1] (pounds)	Price[2] (cents)	Value (dollars)	Yield[1] (pounds)	Price[2] (cents)	Value (dollars)	Value in dollars	Rec'd by Farmers[3] (dollars)	No.1 Y IL pts.[3] (dollars)	Rec'd by Farmers (dollars)	No.1 Y IL pts. (dollars)
1950	9.7	17.9	1.74	46.8	3.16	1.48	3.22	2.47	2.95	.75	.27
1955	11.1	12.5	1.39	46.2	2.68	1.24	2.63	2.22	2.51	.41	.12
1960	11.0	11.2	1.23	47.0	3.00	1.41	2.64	2.13	2.53	.51	.11
1961	10.9	9.7	1.06	47.2	3.11	1.47	2.53	2.28	2.41	.25	.12
1962	10.7	8.8	.94	46.9	3.57	1.67	2.61	2.34	2.50	.27	.11
1963	10.9	8.4	.92	48.0	3.58	1.72	2.64	2.51	2.59	.13	.05
1964	10.9	11.2	1.22	47.7	3.48	1.66	2.88	2.62	2.81	.26	.07
1965	10.7	11.8	1.26	47.5	4.02	1.91	3.17	2.54	2.91	.63	.26
1966	10.7	10.4	1.11	47.7	3.98	1.90	3.01	2.75	2.86	.26	.15
1967	10.6	8.6	.91	47.7	3.82	1.82	2.73	2.49	2.61	.24	.12
1968	10.6	8.2	.87	47.4	3.76	1.78	2.66	2.43	2.54	.23	.12
1969	10.7	11.0	1.17	47.4	3.89	1.84	3.01	2.35	2.53	.66	.48
1970	10.8	12.8	1.38	47.4	3.96	1.88	3.26	2.85	3.00	.41	.26
1971	11.0	11.5	1.26	47.4	4.36	2.07	3.33	3.03	3.24	.30	.09
1972	10.6	15.2	1.62	47.0	11.03	5.19	6.81	4.37	6.21	2.44	.60
1973	10.8	30.2	3.25	47.2	7.61	3.59	6.84	5.68	6.12	1.16	.72
1974	10.5	32.1	3.37	47.5	6.56	3.12	6.49	6.64	6.32	.34	.17
1975	10.9	18.5	2.02	47.3	7.20	3.40	5.42	4.92	5.26	.50	.16
1976	11.1	24.1	2.67	47.8	10.14	4.85	7.52	6.81	7.33	.71	.19
1977	10.9	23.8	2.59	47.3	8.09	3.83	6.42	5.88	6.14	.54	.28
1978	11.1	27.0	2.99	47.6	9.40	4.48	7.47	6.66	7.11	.81	.36
1979	10.8	24.6	2.64	48.0	8.91	4.28	6.91	6.28	6.51	.63	.40
1980	11.1	23.3	2.58	47 9	11.10	5.32	7.90	7.57	7.67	.33	.23
1981	10.7	19.1	2.04	47.9	9.25	4.43	6.47	6.04	6.26	.43	.21
1982[4]	10.8	19.2	2.06	47.6	9.06	4.31	6.37	5.65	6.12	.72	.25
1983[5]	11.3	31.1	3.51	47.4	9.78	4.64	8.15	7.75	7.86	.40	.29

[1]Actual outturn of oil and meal as calculated from Bureau of Census Reports. [2]Simple average of monthly cash prices per pound using the following quotations: soybean oil, crude, tank cars, F.O.B. Decatur, IL.: soybean meal, bulk, 44% protein, Decatur, IL. [3]Season average price received by farmers weighted by the estimated percent of crops sold each month. [4]Preliminary. [5]Economics and Statistics Service estimate. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84); U.S. Department of Agriculture, Economic Research Service.

U.S. SOYBEAN MEAL: PRICES PAID BY FARMERS

Soybean Meal, 44% Protein: Dollars per 100 Pounds, By Month, 1950-1984

Year	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	AVG.
1950	$4.20	$4.02	$4.11	$4.19	$4.58	$4.73	$5.16	$5.01	$4.44	$4.15	$4.24	$4.34	$4.43
1955	4.77	4.73	4.62	4.50	4.36	4.16	4.16	4.14	4.17	4.33	4.08	3.97	4.33
1960	4.24	4.19	4.14	4.16	4.09	4.05	4.03	3.98	4.01	3.96	3.85	3.80	4.04
1965	4.76	4.81	4.80	4.82	4.82	4.90	5.03	5.04	5.01	5.01	5.10	5.01	4.93
1966	5.06	5.17	5.08	5.03	5.21	5.33	6.11	6.07	6.23	5.73	5.56	5.55	5.51
1967	5.60	5.51	5.45	5.35	5.26	5.31	5.38	5.30	5.47	5.32	5.20	5.17	5.36
1968	5.20	5.24	5.22	5.21	5.23	5.28	5.41	5.51	5.56	5.54	5.39	5.31	5.34
1969	5.24	5.21	5.21	5.21	5.24	5.31	5.36	5.35	5.32	5.26	5.26	5.28	5.27
1970	5.73	5.87	5.62	5.46	5.45	5.42	5.56	5.67	5.72	5.69	5.62	5.67	5.62
1971	5.74	5.69	5.67	5.62	5.63	5.71	5.76	5.79	5.69	5.64	5.61	5.65	5.68
1972	5.74	5.79	5.94	6.14	6.27	6.32	6.53	6.65	6.80	6.91	7.39	8.95	6.62
1973	10.40	11.50	12.60	12.10	15.40	19.60	17.00	18.60	14.90	13.30	11.20	11.90	14.00
1974	11.90	11.40	10.60	9.80	8.75	8.33	8.29	11.40	10.30	11.30	10.70	10.30	10.30
1975	9.86	9.10	8.37	8.64	8.54	8.48	8.57	8.88	9.24	9.23	8.75	8.74	8.87
1976	8.81	8.84	8.86	8.84	9.34	11.50	12.50	11.70	12.20	11.60	11.50	12.20	10.70
1977	12.60	13.00	13.70	15.10	16.00	15.40	13.20	11.80	11.20	10.70	11.00	11.30	12.90
1978	11.30	10.90	11.30	11.90	11.80	11.90	11.90	11.50	11.50	11.80	12.30	12.40	11.70
1979	12.50	12.60	12.80	12.80	12.80	13.10	14.00	13.50	13.20	13.20	12.80	13.00	13.03
1980	12.80	12.80	12.60	12.20	12.30	12.40	12.70	13.70	14.60	15.30	16.50	16.30	13.68
1981	15.90	15.50	15.00	15.20	15.40	15.20	15.00	14.90	14.40	14.00	13.70	13.80	14.83
1982	13.70	13.90	13.70	13.80	13.90	13.90	13.70	13.50	13.20	12.90	12.90	13.00	13.50
1983	13.10	13.20	13.20	13.60	13.70	13.50	13.50	14.70	15.70	15.80	15.80	15.60	14.30
1984	15.60	14.80	14.50	14.50	14.20	13.60	13.00	12.60	12.30	11.80	11.60	11.30	13.31
1985	11.10	11.00											

Source: AGRICULTURAL PRICES; U.S. Department of Agriculture, Statistical Reporting Service.

U.S. SOYBEAN MEAL: AVERAGE WHOLESALE PRICE

Soybean Meal, 44% Protein: Dollars per Ton, Bulk Decatur
By Month, 1950/51-1983/84

Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	AVG.
1950-51	$54.05	$61.45	$64.70	$63.90	$69.25	$67.00	$62.00	$63.40	$64.40	$68.80	$64.60	$69.75	$64.45
1955-56	56.00	49.00	50.25	51.00	49.40	47.40	53.00	60.05	60.75	54.80	52.10	46.90	52.55
1960-61	48.95	44.50	51.25	55.20	61.50	64.45	73.10	71.00	63.85	65.00	68.90	59.60	60.60
1961-62	55.80	59.30	60.20	59.90	57.60	60.60	62.50	64.10	66.70	68.50	71.10	76.70	63.60
1962-63	69.00	70.60	70.50	71.90	73.10	70.80	68.30	68.10	70.40	72.00	75.20	75.20	71.30
1963-64	73.50	74.90	76.90	77.50	74.80	73.40	69.90	65.50	66.50	65.80	63.90	69.50	71.00
1964-65	69.20	66.10	67.80	68.00	69.80	68.50	69.30	68.40	74.60	74.40	69.60	76.80	70.20
1965-66	70.80	75.70	71.40	78.80	77.30	71.50	75.50	80.30	92.70	97.20	97.90	88.40	81.50
1966-67	82.20	78.90	84.60	81.70	79.50	76.60	74.50	73.70	78.10	78.20	78.70	79.20	78.80
1967-68	71.80	71.90	73.40	75.10	74.50	75.00	74.60	75.00	79.50	82.80	84.40	85.10	76.90
1968-69	78.20	73.50	71.60	69.80	69.90	72.60	73.30	76.10	77.50	77.30	76.90	72.70	74.10
1969-70	75.40	69.90	82.90	87.50	85.25	71.80	74.60	71.20	74.70	82.90	84.00	81.20	78.40
1970-71	77.25	77.90	82.00	80.25	77.50	77.00	74.25	78.25	81.50	84.25	78.75	73.25	78.50
1971-72	74.75	73.80	80.60	82.60	84.80	90.90	94.50	95.30	95.00	101.40	101.00	107.75	90.20
1972-73	109.00	123.20	174.00	188.40	218.75	199.90	203.25	314.60	412.50	311.20	285.00	208.10	229.00
1973-74	159.60	167.00	192.00	172.00	160.00	147.10	117.20	109.25	100.00	138.10	155.90	138.10	146.40
1974-75	168.20	141.00	143.40	129.20	117.25	117.75	122.00	118.50	120.90	124.00	134.40	133.70	130.90
1975-76	125.90	119.90	125.10	128.25	132.60	127.90	127.10	152.25	187.90	193.90	173.30	179.20	147.80
1976-77	169.60	181.20	197.60	207.00	211.00	226.20	275.60	258.25	225.30	162.00	140.30	143.60	199.80
1977-78	135.00	161.70	160.10	162.20	152.90	179.40	173.00	177.40	169.75	172.00	162.90	163.90	164.20
1978-79	176.80	177.10	188.75	184.90	190.90	194.00	191.10	188.00	209.60	201.60	188.90	188.60	190.00
1979-80	181.40	183.10	188.00	180.20	174.25	164.60	154.20	166.50	160.90	187.90	207.40	234.50	181.91
1980-81	246.40	261.40	223.70	223.50	212.50	210.40	222.00	221.00	200.90	204.10	202.25	190.00	218.18
1981-82	180.75	178.40	187.50	191.00	191.00	183.60	190.25	192.40	183.60	181.90	169.00	160.80	182.52
1982-83	157.00	173.40	178.50	179.25	177.10	177.30	186.75	185.75	175.50	189.30	232.60	233.60	187.19
1983-84	228.60	224.70	216.60	201.90	184.40	196.40	190.00	187.40	174.40	156.60	151.60	144.90	188.20
1984-85	141.60	135.20	136.75	135.20	125.25								

Source: U.S. Department of Agriculture, Agriculture Marketing Service.

U.S. SOYBEAN MEAL: BEGINNING STOCKS, PRODUCTION, EXPORTS AND DOMESTIC DISAPPEARANCE

By Month, 1977/78-1983/84
(Thousand Short Tons)

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	TOTAL
1977-78													
[1]Stocks	228.3	270.0	239.7	245.1	251.7	239.7	227.4	298.5	263.3	191.0	262.6	234.1	–
Production	1,781.4	2,017.3	2,044.1	2,006.7	1,778.5	2,050.0	1,875.1	1,959.7	1,725.2	1,680.7	1,757.9	1,696.0	22,372.6
Exports	238.9	533.9	520.6	618.6	454.6	721.5	659.3	508.9	540.7	399.4	470.6	422.7	6,080.0
Domestic disappearance	1,500.8	1,506.5	1,518.0	1,376.1	1,328.9	1,334.9	1,142.2	1,478.9	1,252.9	1,204.7	1,307.6	1,259.1	16,210.6
1978-79													
[1]Stocks	242.9	239.5	205.9	289.1	242.2	225.0	238.2	264.7	237.2	239.0	262.4	173.7	–
Production	2,114.7	2,135.4	2,292.2	2,158.3	1,554.8	2,121.6	1,989.0	2,065.1	1,979.3	1,898.3	1,757.9	1,821.7	24,354.1
Exports	477.5	507.5	738.5	658.9	526.5	903.7	507.5	453.6	502.9	543.7	410.3	379.1	6,609.8
Domestic disappearance	1,640.6	1,661.5	1,470.5	1,546.2	1,445.5	1,204.7	1,454.9	1,638.9	1,474.6	1,331.2	1,502.3	1,348.9	17,719.8
1979-80													
[1]Stocks	267.4	234.3	195.2	240.5	184.3	191.3	251.1	226.1	299.0	302.1	267.8	262.1	–
Production	2,285.8	2,433.3	2,506.1	2,555.1	2,400.0	2,454.4	2,203.1	2,247.1	1,987.8	2,058.4	2,011.5	1,962.5	27,105.1
Exports	513.7	552.1	757.4	806.6	930.1	881.1	661.2	750.7	558.0	577.8	384.1	559.9	7,931.9
Domestic disappearance	1,805.2	1,920.3	1,703.4	1,804.7	1,462.9	1,513.5	1,566.9	1,423.5	1,426.7	1,514.9	1,633.1	1,439.9	19,215.0
1980-81													
[1]Stocks	225.6	242.4	381.4	249.7	242.6	248.1	271.4	211.7	287.6	241.1	188.8	233.8	–
Production	2,325.7	2,366.5	2,248.5	2,207.8	1,905.3	2,141.1	2,045.9	1,963.2	1,765.3	1,734.4	1,787.8	1,820.6	24,312.1
Exports	452.0	463.3	751.5	660.6	760.6	942.2	800.3	526.4	387.1	320.0	416.9	297.3	6,776.2
Domestic disappearance	1,856.9	1,764.1	1,628.7	1,554.3	1,139.2	1,175.6	1,305.3	1,360.9	1,424.7	1,466.7	1,325.9	1,594.4	17,596.8
1981-82													
[1]Stocks	162.7	309.2	314.8	279.4	315.7	324.9	190.3	172.1	309.3	224.9	209.1	189.7	–
Production	2,501.8	2,325.8	2,450.6	2,265.6	2,077.4	2,049.9	1,930.5	2,066.0	1,844.3	1,684.4	1,619.6	1,818.5	24,634.4
Exports	584.6	631.7	666.1	673.6	928.8	713.4	679.2	643.8	457.7	346.6	346.7	235.3	6,907.5
Domestic disappearance	1,770.7	1,688.5	1,819.9	1,555.7	1,139.4	1,471.1	1,269.5	1,285.0	1,471.0	1,353.6	1,292.3	1,597.7	17,714.4
1982-83													
[1]Stocks	175.2	342.8	349.6	332.3	400.2	422.8	341.0	356.1	341.5	272.3	365.2	378.5	–
Production	2,385.9	2,581.4	2,679.1	2,628.1	2,220.7	2,258.7	1,949.8	1,992.7	1,955.8	1,933.5	2,052.8	2,075.1	26,713.6
Exports	448.2	723.1	660.8	1,052.2	826.8	850.2	450.2	458.8	533.8	381.6	330.5	392.5	7,108.7
Domestic disappearance	1,770.1	1,851.5	2,035.6	1,508.0	1,371.3	1,490.3	1,484.5	1,548.5	1,491.2	1,459.0	1,709.0	1,587.0	19,306.0
1983-84													
[1]Stocks	474.1	419.3	466.8	391.1	475.8	446.7	460.7	418.6	427.2	391.2	355.5	242.7	–
Production	2,287.9	2,049.1	2,122.6	2,220.2	1,872.2	2,029.2	1,760.3	1,872.2	1,665.0	1,629.1	1,689.6	1,559.0	22,756.4
Exports	593.5	617.5	664.7	687.6	578.0	580.9	400.1	315.5	265.7	287.1	278.8	166.1	5,435.5
Domestic disappearance	1,749.2	1,384.1	1,533.6	1,447.7	1,323.3	1,434.3	1,402.3	1,548.1	1,435.3	1,377.1	1,523.6	1,380.2	17,538.8

[1]Beginning of month.
Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84), U.S. Department of Agriculture, Economic Research Service.

WORLD MAJOR PROTEIN MEALS: SUPPLY AND UTILIZATION

(Million Metric Tons)

	1980-81	1981-82	1982-83	1983-84	1984-85[1]
PRODUCTION					
Soybean	56.87	59.10	62.10	56.94	59.51
Cottonseed	9.67	10.33	10.01	9.99	12.40
Rapeseed	6.25	7.28	8.34	8.25	8.67
Sunflowerseed	5.42	5.78	6.68	6.18	6.85
Fish	4.86	5.16	4.81	5.40	5.36
Peanut	3.98	5.05	4.17	4.51	4.76
Copra	1.56	1.55	1.44	1.27	1.48
Linseed	1.26	1.22	1.28	1.40	1.22
Palm Kernel	0.70	0.86	0.90	0.98	1.02
TOTAL	90.57	96.32	99.73	94.92	101.27
EXPORTS					
Soybean	18.85	20.72	23.28	21.31	20.99
Cottonseed	0.78	0.79	0.79	0.74	0.97
Rapeseed	0.80	0.83	0.68	1.03	1.13
Sunflowarseed	0.74	0.92	1.29	1.20	1.53
Fish	2.01	2.60	2.25	2.57	2.57
Peanut	0.66	0.64	0.64	0.54	0.52
Copra	0.93	1.04	0.99	0.67	0.91
Linseed	0.61	0.64	0.69	0.72	0.53
Palm Kernel	0.46	0.58	0.68	0.68	0.70
TOTAL	25.90	28.78	31.29	29.46	29.86
IMPORTS					
Soybean	18.90	20.96	23.07	21.41	21.14
Cottonseed	0.83	0.76	0.83	0.72	0.94
Rapeseed	0.64	0.68	0.87	1.02	0.98
Sunflowerseed	0.84	0.92	1.21	1.29	1.46
Fish	2.08	2.43	2.34	2.38	2.57
Peanut	0.66	0.70	0.66	0.63	0.58
Copra	1.04	1.07	0.97	0.63	0.89
Linseed	0.64	0.58	0.66	0.57	0.59
Palm Kernel	0.51	0.62	0.73	0.65	0.73
TOTAL	26.15	28.73	31.35	29.37	29.88
CONSUMPTION					
Soybean	56.39	59.32	61.25	56.85	59.06
Cottonseed	9.66	10.29	10.16	9.99	12.27
Rapeseed	6.03	7.14	8.49	8.19	8.53
Sunflowerseed	5.50	5.78	6.60	6.29	6.76
Fish	4.57	5.25	4.95	5.19	5.36
Peanut	3.99	5.11	4.20	4.59	4.81
Copra	1.61	1.58	1.45	1.26	1.47
Linseed	1.31	1.16	1.25	1.25	1.29
Palm Kernel	0.76	0.88	0.96	0.94	1.02
TOTAL	89.83	97.01	99.31	94.55	100.57
ENDING STOCKS					
Soybean	2.39	1.89	2.54	2.75	3.33
Cottonseed	0.25	0.26	0.15	0.14	0.24
Rapeseed	0.20	0.19	0.22	0.27	0.27
Sunflowerseed	0.15	0.14	0.15	0.13	0.15
Fish	0.88	0.63	0.57	0.59	0.59
Peanut	0.03	0.02	0.02	0.03	0.02
Copra	0.06	0.05	0.02	0.04	0.03
Linseed	0.02	0.03	0.03	0.03	0.03
Palm Kernel	0.02	0.03	0.02	0.03	0.06
TOTAL	4.00	3.25	3.73	4.01	4.73

[1]Forecast. Source: Counselor and Attache Reports; Official Statistics; U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

WORLD MAJOR OILSEEDS: SUPPLY AND UTILIZATION

(Million Metric Tons)

	1980-81	1981-82	1982-83	1983-84	1984-85[1]
PRODUCTION					
Soybean	80.91	86.02	95.26	82.34	89.72
Cottonseed	25.58	28.17	27.37	27.20	34.13
Peanut	16.21	19.99	17.46	18.87	20.05
Sunflowerseed	13.07	14.76	16.52	15.42	17.28
Rapeseed	11.11	12.37	14.78	14.23	16.27
Flaxseed	2.10	2.09	2.57	2.23	2.29
Copra	4.99	4.74	4.47	3.96	4.65
Palm Kernel	1.54	1.88	1.79	2.03	2.10
TOTAL	155.51	170.02	178.21	166.28	186.48
EXPORTS					
Soybean	25.34	29.32	28.56	26.01	25.59
Cottonseed	0.23	0.15	0.12	0.19	0.23
Peanut	1.13	1.00	0.93	0.98	1.02
Sunflowerseed	1.94	2.11	1.92	1.95	2.16
Rapeseed	2.30	2.14	2.39	2.52	2.67
Flaxseed	0.61	0.48	0.50	0.68	0.55
Copra	0.42	0.47	0.28	0.28	0.28
Palm Kernel	0.16	0.15	0.14	0.15	0.16
TOTAL	32.13	35.83	34.85	32.77	32.67
IMPORTS					
Soybean	26.37	29.20	28.39	25.03	25.62
Cottonseed	0.19	0.13	0.11	0.15	0.24
Peanut	1.09	1.06	0.97	0.99	1.00
Sunflowerseed	1.98	2.29	1.88	1.92	2.20
Rapeseed	2.37	2.22	2.52	2.54	2.48
Flaxseed	0.55	0.50	0.49	0.63	0.54
Copra	0.40	0.46	0.25	0.25	0.27
Palm Kernel	0.13	0.12	0.14	0.14	0.14
TOTAL	33.08	35.99	34.75	31.65	32.49
CRUSH					
Soybean	71.87	74.33	78.08	72.80	75.13
Cottonseed	20.94	22.01	21.64	21.54	26.42
Peanut	9.52	12.12	10.36	11.06	11.75
Sunflowerseed	11.82	12.80	14.40	13.78	15.25
Rapeseed	10.48	11.99	13.82	13.48	14.34
Flaxseed	1.97	1.92	2.00	2.17	1.89
Copra	4.65	4.64	4.25	3.69	4.39
Palm Kernel	1.35	1.64	1.71	1.89	1.97
TOTAL	132.59	141.45	146.25	140.42	151.14
ENDING STOCKS					
Soybean	16.21	14.93	17.02	12.81	14.41
Cottonseed	0.57	0.79	0.40	0.18	0.80
Peanut	0.54	0.77	0.57	0.59	0.77
Sunflowerseed	0.53	0.77	0.69	0.32	0.45
Rapeseed	1.49	0.91	0.78	0.30	0.76
Flaxseed	0.61	0.45	0.67	0.33	0.35
Copra	0.47	0.25	0.13	0.07	0.07
Palm Kernel	0.08	0.15	0.08	0.09	0.08
TOTAL	20.49	19.02	20.33	14.69	17.70

[1]Forecast. Source: Counselor and Attache Reports, Official Statistics, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division

WORLD VEGETABLE AND MARINE OILS: SUPPLY AND UTILIZATION

(Million Metric Tons)

	1980-81	1981-82	1982-83	1983-84	1984-85[1]
PRODUCTION					
Soybean	12.85	12.98	13.79	12.99	13.42
Palm	5.17	6.00	5.62	6.35	6.94
Sunflowerseed	4.74	5.15	5.80	5.60	6.14
Rapeseed	4.05	4.59	5.27	5.12	5.31
Cottonseed	3.22	3.46	3.36	3.37	4.15
Peanut	2.74	3.51	3.01	3.17	3.38
Coconut	2.89	2.86	2.68	2.28	2.75
Olive	1.92	1.34	1.91	1.67	1.72
Fish	1.15	1.31	1.12	1.33	1.35
Palm Kernel	0.60	0.72	0.76	0.84	0.86
Linseed	0.69	0.63	0.66	0.74	0.64
TOTAL	40.02	42.57	44.00	43.46	46.67
EXPORTS					
Soybean	3.34	3.50	3.74	3.76	3.67
Palm	3.42	3.92	3.98	3.92	4.66
Sunflowerseed	1.12	1.19	1.56	1.48	1.65
Rapeseed	0.82	0.82	0.84	1.01	1.03
Cottonseed	0.45	0.54	0.39	0.30	0.39
Peanut	0.28	0.41	0.48	0.25	0.29
Coconut	1.34	1.25	1.31	0.36	1.23
Olive	0.27	0.20	0.36	0.29	0.40
Fish	0.78	0.73	0.69	0.85	0.85
Palm Kernel	0.38	0.45	0.48	0.52	0.57
Linseed	0.27	0.25	0.28	0.31	0.23
TOTAL	12.54	13.26	14.10	13.56	14.97
IMPORTS					
Soybean	3.44	3.43	3.73	3.80	3.66
Palm	3.16	3.81	3.85	3.68	4.30
Sunflowerseed	1.00	1.02	1.30	1.41	1.56
Rapeseed	0.74	0.75	0.75	0.96	1.01
Cottonseed	0.47	0.51	0.37	0.35	0.36
Peanut	0.33	0.39	0.45	0.31	0.34
Coconut	1.40	1.24	1.23	0.92	1.23
Olive	0.26	0.30	0.40	0.34	0.38
Fish	0.72	0.79	0.72	0.78	0.75
Palm Kernel	0.37	0.44	0.51	0.48	0.52
Linseed	0.28	0.23	0.21	0.19	0.21
TOTAL	12.17	12.71	13.52	13.23	14.32
CONSUMPTION					
Soybean	12.86	13.18	13.71	13.37	13.57
Palm	4.93	5.43	5.92	5.86	6.53
Sunflowerseed	4.52	5.06	5.49	5.61	6.02
Rapeseed	3.98	4.52	5.18	5.01	5.24
Cottonseed	3.26	3.42	3.34	3.46	4.09
Peanut	2.81	3.49	2.98	3.24	3.42
Coconut	2.99	2.87	2.63	2.40	2.72
Olive	1.66	1.59	1.63	1.88	1.80
Fish	1.16	1.32	1.16	1.27	1.26
Palm Kernel	0.60	0.72	0.81	0.79	0.81
Linseed	0.68	0.61	0.59	0.62	0.64
TOTAL	39.45	42.22	43.45	43.51	46.09
ENDING STOCKS					
Soybean	1.70	1.44	1.50	1.16	1.00
Palm	0.60	0.86	0.44	0.69	0.75
Sunflowerseed	0.28	0.21	0.27	0.18	0.21
Rapeseed	0.15	0.15	0.15	0.21	0.26
Cottonseed	0.09	0.11	0.11	0.07	0.09
Peanut	0.04	0.05	0.04	0.04	0.05
Coconut	0.23	0.21	0.18	0.13	0.16
Olive	0.86	0.70	1.02	0.86	0.76
Fish	0.23	0.28	0.27	0.26	0.25
Palm Kernel	0.06	0.06	0.03	0.04	0.04
Linseed	0.04	0.04	0.05	0.05	0.04
TOTAL	4.30	4.10	4.07	3.68	3.61

[1]Forecast. Source: Counselor and Attache Reports; Official Statistics; Department of Agriculture, FAS, Oilseeds and Products Division.

PRICES OF U.S. SOYBEAN OIL

Soy Oil, Domestic Crude: Average Cents per Pound
in Tank Cars at Midwestern Mills
by Month, 1950/51-1983/84

Crop Year	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	SEASON AVG. ★
1950-51	14.6	17.1	19.6	20.6	21.1	20.5	20.5	19.5	16.4	14.5	15.4	14.0	17.8
1955-56	10.9	11.0	10.9	11.7	12.8	14.3	14.9	15.3	13.6	12.5	11.4	11.3	12.5
1960-61	9.4	10.2	10.0	10.9	12.2	13.0	13.3	12.7	13.6	10.9	10.9	10.5	11.3
1961-62	10.7	10.4	10.5	10.5	10.2	10.1	9.9	9.3	8.4	8.0	8.2	8.1	9.5
1962-63	8.7	8.6	8.6	8.9	9.2	9.3	9.1	9.2	9.1	9.0	8.3	8.5	8.9
1963-64	9.2	9.1	8.3	8.1	8.0	8.1	7.9	8.4	8.2	8.5	8.8	9.7	8.5
1964-65	10.9	12.2	12.0	11.6	12.1	12.2	12.1	10.4	10.2	10.0	10.5	11.4	11.3
1965-66	11.5	11.2	11.2	11.9	12.0	11.3	11.6	11.3	11.2	12.3	14.1	12.3	11.8
1966-67	10.9	10.8	10.6	10.3	10.3	10.3	10.3	10.3	9.8	9.1	9.6	9.3	10.1
1967-68	8.8	8.6	8.6	8.7	9.5	9.1	8.8	8.7	7.8	7.4	7.5	7.5	8.4
1968-69	7.3	7.9	8.1	8.6	8.9	8.8	8.4	8.4	7.8	8.2	8.9	9.7	8.4
1969-70	10.6	10.9	9.6	9.6	11.5	12.2	12.2	11.3	11.1	11.5	11.6	12.1	11.2
1970-71	14.0	13.9	12.4	12.3	12.1	12.2	11.2	11.4	12.8	14.5	14.5	12.8	12.8
1971-72	13.2	12.5	11.7	10.9	11.0	11.7	11.9	11.4	10.7	10.3	10.1	9.8	11.3
1972-73	9.6	9.6	9.7	10.1	13.0	13.9	15.0	17.1	19.3	22.4	33.5	24.3	16.5
1973-74	23.1	20.4	26.0	28.6	36.4	30.2	28.2	29.4	31.6	40.5	43.3	40.7	31.5
1974-75	42.3	40.4	38.0	33.6	29.4	29.1	28.2	23.6	23.3	27.5	28.5	24.4	30.7
1975-76	21.4	18.9	16.8	16.2	16.3	16.6	16.3	15.8	17.6	20.9	20.4	22.5	18.3
1976-77	20.7	21.8	21.0	20.9	22.4	26.5	29.6	31.3	28.3	23.8	21.1	19.2	23.9
1977-78	18.8	21.0	22.6	20.9	21.6	26.6	26.8	28.8	26.9	25.9	26.3	27.8	24.5
1978-79	26.7	23.7	25.3	25.8	27.3	26.9	26.7	27.8	27.4	29.1	29.2	30.0	27.2
1979-80	27.9	27.8	26.2	23.6	23.4	22.1	20.3	20.8	21.6	26.2	25.9	26.1	24.3
1980-81	25.1	26.7	23.7	23.0	22.0	23.1	23.4	21.6	21.3	22.8	20.8	19.4	22.7
1981-82	19.7	19.9	18.9	18.4	18.2	18.5	19.7	20.6	19.4	19.0	17.9	17.4	19.0
1982-83	17.4	17.6	16.6	16.4	17.3	17.7	19.3	19.8	19.4	21.6	30.2	34.3	20.6
1983-84	30.7	28.1	27.4	28.3	27.2	30.1	32.1	39.0	36.0	30.9	29.0	28.0	30.6

★ Simple average for months shown.

Source: Marketing Research Service, U.S.Department of Agriculture. Monthly prices, Oct. 1938-Dec. 1952 compiled from THE NATIONAL PROVISIONER; since February 1953, from OIL PAINT AND DRUG REPORTER. June 1969-Nov. 1978 monthly prices compiled from Chicago, cash prices in WALL STREET JOURNAL. Beginning Dec. 1978 monthly prices' source, OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84), U.S. Department of Agriculture, Economic Research Service.

U.S. EXPORTS OF SOYBEANS

By Month, (Million Bushels)
1953 - 1983

Year	Sept.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	April	May	June	July	Aug.	TOTAL
1953	1.1	5.8	10.1	7.7	3.7	2.5	1.7	3.2	1.6	1.0	1.0	.7	40.1
1955	4.0	8.8	13.2	12.7	6.8	2.6	1.9	5.1	4.3	3.7	3.7	1.7	68.6
1960	8.2	14.1	22.7	20.6	9.1	10.2	8.5	7.7	11.4	7.7	7.7	7.0	134.7
1961	3.6	20.7	23.6	16.5	10.9	10.3	11.0	11.7	12.7	11.9	8.1	8.4	149.4
1962	7.3	22.4	27.4	18.7	3.7	19.3	14.4	14.1	11.6	15.6	14.3	11.8	180.5
1963	7.2	19.8	21.3	21.8	17.0	16.2	13.6	17.6	14.0	13.0	11.9	13.7	187.2
1964	11.1	29.5	27.4	24.4	2.9	11.3	25.0	17.6	17.8	16.1	17.4	11.7	212.2
1965	4.8	32.3	39.4	31.4	19.6	17.1	21.6	20.2	21.5	19.6	12.1	11.1	250.6
1966	5.5	29.4	40.6	29.8	21.9	20.4	17.5	21.7	21.8	20.0	16.8	16.2	261.6
1967	10.3	29.7	39.9	27.2	21.8	18.8	24.1	21.6	20.1	18.7	17.1	17.5	266.6
1968	13.9	32.8	50.0	36.5	1.2	11.4	36.6	34.3	23.8	14.0	18.2	12.1	286.8
1969	13.3	52.5	53.7	39.9	28.7	31.6	39.2	41.2	37.1	38.5	25.2	31.6	432.6
1970	29.9	44.0	45.3	46.9	35.1	33.0	35.1	32.8	30.2	34.9	34.4	31.3	433.8
1971	29.2	29.4	47.4	50.3	42.4	35.5	31.3	37.3	31.7	31.1	26.3	24.9	416.8
1972	15.0	54.3	61.2	49.1	47.7	54.7	59.1	45.5	41.0	26.5	14.2	11.0	479.4
1973	7.5	46.6	74.4	58.0	48.3	56.4	57.9	62.0	43.5	36.1	27.1	21.2	539.1
1974	22.9	32.2	63.2	41.4	50.0	33.3	38.4	35.8	25.1	14.0	31.0	33.4	420.7
1975	24.3	62.7	61.5	49.6	51.8	52.2	52.3	50.5	49.5	47.2	29.2	24.3	555.1
1976	22.2	60.1	67.4	56.7	50.9	59.9	58.4	57.0	55.1	31.0	27.2	18.1	564.1
1977	15.0	77.6	87.7	57.0	52.6	54.4	66.6	72.7	79.3	63.4	34.7	39.3	700.3
1978	38.0	87.5	101.7	70.6	77.0	53.2	83.6	67.8	47.0	41.0	32.7	39.7	739.8*
1979	40.8	88.8	118.1	78.3	85.8	73.0	69.3	81.3	74.2	58.7	49.1	57.7	875.1
1980	41.4	60.3	75.0	74.5	71.7	55.5	103.2	60.0	69.6	41.8	29.6	41.8	724.3
1981	50.9	100.8	103.7	73.6	84.3	89.4	79.0	85.7	90.6	59.8	53.8	57.5	929.1
1982	58.0	94.4	93.6	90.1	86.3	87.2	84.4	73.3	58.5	67.7	51.6	60.2	905.2
1983	53.9	67.6	69.2	74.5	80.4	79.7	78.8	68.5	56.8	41.1	39.2	30.7	740.4

*Bureau of Census figure. USDA figure 753., based on inspections for export. Figures may be adjusted in the future. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84); U.S. Department of Agriculture, Economic Research Service.

U.S. SOYBEAN EXPORTS BY PORT AND COUNTRY OF DESTINATION

September 1983 - August 1984 (1,000 Bushels)

Country	St. Lawr. Seaway	Lakes	Atlantic	Gulf	Pacific	Interior	TOTAL
Australia	—	—	—	444	—	—	444
Belgium	—	—	—	31,843	—	—	31,843
Bulgaria	—	—	—	836	—	—	836
Canada	—	8,771	—	—	—	—	8,771
China (Taiwan)	—	—	6,196	38,781	5,790	—	50,767
Colombia	—	—	—	4,774	—	—	4,774
Costa Rica	—	—	—	268	—	—	268
Denmark	—	—	547	3,604	—	—	4,151
Dominican Republic	—	—	—	454	—	—	454
Ecuador	—	—	—	1,051	—	—	1,051
Egypt	—	—	647	537	—	—	1,184
France	—	222	1,693	12,235	—	—	14,150
Germany, Dem Republic (E)	—	443	—	—	—	—	443
Germany, Fed Republic (W)	—	—	—	18,710	—	—	18,710
Greece	—	—	584	4,823	—	—	5,407
Guatemala	—	—	—	141	—	—	141
Haiti	—	—	260	801	—	—	1,061
Indonesia	—	—	768	5,694	4,072	—	10,534
Israel	1,561	—	2,064	16,347	—	—	19,972
Italy	—	—	2,426	26,133	—	—	28,559
Jamaica	—	—	—	1,869	—	—	1,869
Japan	3,384	8,414	14,587	134,920	2,634	—	163,939
Korea, Republic of	—	—	—	22,951	2,820	45	26,816
Kuwait	—	—	—	684	—	—	684
Lebanon	—	—	—	419	—	—	419
Malaysia	—	—	—	942	1,895	—	2,837
Mexico	—	—	—	16,572	—	24,824	41,396
Morocco	—	—	303	—	—	—	303
Netherlands	1,282	1,150	1,892	136,123	—	—	140,447
Norway	—	—	—	7,398	—	—	7,398
Pakistan	—	—	—	1,286	—	—	1,286
Panama	—	—	—	166	—	—	166
Poland	—	—	—	3,535	—	—	3,535
Portugal	—	811	7,705	8,466	—	—	16,982
Romania	—	—	2,245	10,430	—	—	12,675
Saudi Arabia	—	—	—	1	—	—	1
Spain	305	1,511	7,582	60,791	—	—	70,189
Switzerland	—	—	—	924	—	—	924
United Kingdom	790	911	8,845	3,666	—	—	14,212
USSR	287	588	2,687	12,966	—	—	16,528
Venezuela	—	—	—	5,723	—	—	5,723
Yugoslavia	—	—	—	5,751	—	—	5,751
Totals:							
Sep. 83-Aug. 84	7,609	22,821	61,031	603,059	17,211	24,869	736,600
Sep. 82-Aug. 83	10,714	26,135	93,671	719,928	28,502	5,696	884,546

Source: GRAIN & FEED MARKET NEWS (Oct. 84), U.S. Department of Agriculture, Agriculture Marketing Service.

U.S. SOYBEAN OIL UTILIZATION

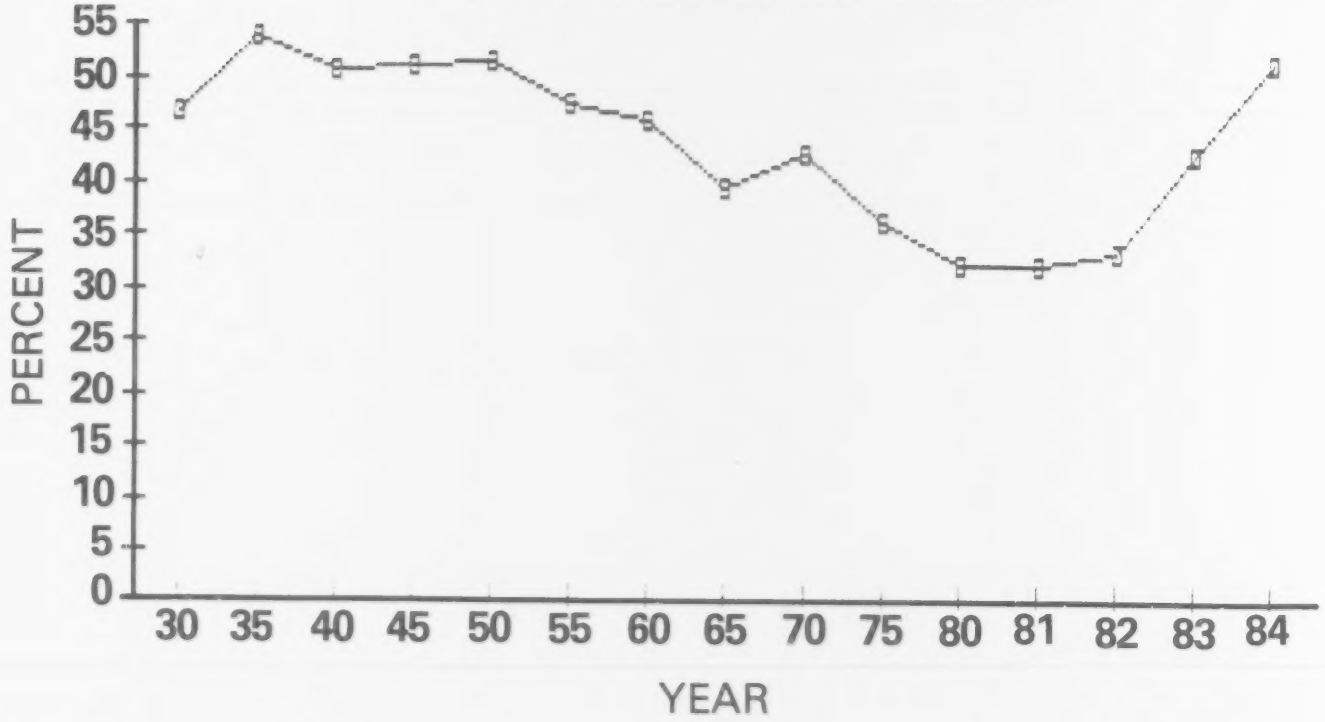
1960 - 1984 (Million Pounds)

Year Beginning October	Food					Nonfood						Total Domestic Utilization
	Shortening	Margarine	Cooking and Salad Oils[1]	Other Edible	Total	Paint and Varnish	Resins and Plastics	Other Drying Oil Products	Fatty Acids	Other Inedible[2]	Total	
1960	1,097	1,073	793	26	2,989	96	64	4	6	30	201	3,190
1961	1,353	1,036	771	20	3,180	88	74	4	—	43	208	3,388
1962	1,222	1,069	933	15	3,239	90	78	6	1	47	222	3,461
1963	1,391	1,126	1,146	21	3,684	94	84	6	—	42	228	3,912
1964	1,404	1,107	1,100	32	3,643	94	105	5	12	45	261	3,904
1965	1,739	1,241	1,200	38	4,218	100	104	6	—	53	263	4,481
1966	1,691	1,273	1,353	58	4,375	96	97	7	—	61	261	4,636
1967	1,816	1,234	1,494	44	4,588	86	97	7	—	59	249	4,837
1968	1,978	1,290	1,967	36	5,271	87	94	7	—	61	249	5,520
1969	2,255	1,415	2,150	37	5,857	94	79	7	1	47	228	6,085
1970	2,077	1,381	2,288	34	5,780	82	65	6	3	49	205	5,985
1971	2,089	1,413	2,469	38	6,009	81	55	4	6	34	180	6,189
1972	2,230	1,491	2,469	39	6,229	81	57	4	9	35	186	6,415
1973	2,321	1,513	2,884	30	6,748	91	77	5	12	43	228	6,976
1974	1,882	1,486	2,680	22	6,070	83	58	3	16	28	188	6,258
1975	2,416	1,691	3,274	24	7,405	94	66	3	23	21	207	7,612
1976	2,189	1,568	3,221	25	7,003	85	83	4	26	32	230	7,233
1977	2,433	1,592	3,808	29	7,862	87	79	4	42	29	241	8,103
1978	2,653	1,651	3,956	38	8,298	75	88	NA	35	46	244	8,542
1979	2,658	1,648	4,153	35	8,493	52	80	NA	21	52	205	8,698
1980	2,675	1,656	4,226	43	8,610	46	71	NA	23	63	202	8,813
1981	2,990	1,723	4,367	51	9,131	39	94	NA	22	49	203	9,334
1982	2,944	1,615	4,668	58	9,284	38	96	NA	16	55	205	9,489
1983	3,207	1,494	4,442	102	9,245	39	110	NA	21	61	231	9,477

[1]Adjusted for exports of refined and further processed salad oil. Prior to January 1965 no adjustment made for exports of undeodorized hydrogenated oil. [2]Includes soap and other miscellaneous.

Sources: OIL CROPS OUTLOOK & SITUATION REPORT (Oct. 84), U.S. Department of Agriculture, Economic Research Service. FATS & OILS, PRODUCTION, CONSUMPTION & STOCKS, Bureau of Census.

U.S. SOYBEAN OIL VALUE AS PERCENT OF TOTAL SOYBEAN VALUE



U.S. SOYBEAN OIL: SUPPLY, DISPOSITION AND PRICE

1960 - 1984

Year Beginning October	Supply				Disappearance			Price Per Pound
	Production	Imports	Stocks October 1	TOTAL	Exports	Domestic	TOTAL	(Tank Cars) Crude, Decatur
	(Million Pounds)				(Million Pounds)			(Cents)
1960	4,420	—	308	5,456	700[1]	3,329	4,029	11.3
1961	4,790	—	677	5,467	1,308[1]	3,540	4,848	9.5
1962	5,091	—	618	5,709	1,165[1]	3,624	4,789	8.9
1963	4,822	—	920	5,742	1,106[1]	4,058	5,164	8.5
1964	5,146	—	578	5,724	1,340[1]	4,069	5,409	11.3
1965	5,800	—	297	6,097	923	4,687	5,635	11.8
1966	6,076	—[2]	462	6,538	1,077	4,837	5,942	10.1
1967	6,032	—	596	6,628	963	5,096	6,089	8.4
1968	6,531	—[2]	540	7,071	870	5,756	6,655	8.4
1969	7,904	—	415	8,319	1,420	6,328	7,777	11.2
1970	8,265	—	543	8,808	1,742	6,253	8,035	12.8
1971	7,892	—[2]	773	8,665	1,398	6,439	7,879	11.3
1972	7,501	—[2]	785	8,286	1,066	6,685	7,771	16.5
1973	8,995	—[2]	516	9,511	1,435	7,255	8,716	31.5
1974	7,375	—	794	8,169	1,028	6,518	7,608	30.7
1975	9,630	—	561	10,191	976	7,906	8,940	18.3
1976	8,578	—	1,251	9,829	1,547	7,454	9,061	23.9
1977	10,288	—	771	11,059	2,057	8,273	10,410	24.6
1978	11,323	—	729	12,052	2,334	8,942	11,353	27.2
1979	12,105	—	776	12,881	2,690	8,981	11,722	24.3
1980	11,270	—	1,210	12,480	1,631	9,113	10,744	22.7
1981	10,979	—	1,736	12,715	2,077	9,535	11,612	19.0
1982	12,040	—	1,103	13,143	2,025	9,857	11,882	20.6
1983	10,884	—	1,261	12,145	1,700	9,650	11,350	30.6
1984	11,165	—	795	11,960	1,500	9,750	11,250	25.0-31.0

[1]Includes estimates of foreign donations of fats and oils, not reported by census, 1960-64. [2]Less than 500,000 pounds. Source: OIL CROPS OUTLOOK AND SITUATION REPORT (Oct. 84); U.S. Department of Agriculture, Economic Research Service.

U.S. EDIBLE FATS AND OILS: SUPPLY AND DISAPPEARANCE

1977-1984

	1977	1978	1979	1980	1981	1982	1983[1]	1984[2]
Stocks October 1			Million pounds					
Coconut	137	145	157	152	204	160	146	100
Corn	46	73	70	66	76	53	89	80
Cottonseed	86	85	86	122	80	104	90	40
Lard	32	35	44	44	36	24	40	25
Palm	131	74	74	42	58	47	39	25
Peanut[3]	171	33	47	37	16	58	23	19
Soybean	771	729	776	1,210	1,736	1,103	1,261	795
Sunflower	[4]	7	15	161	90	26	95	26
Tallow, edible	33	42	49	46	36	47	48	48
Imports								
Coconut	980	967	810	1,122	960	882	900	965
Palm	361	277	212	324	218	282	374	440
Production								
Corn	695	737	791	864	872	983	1,065	1,125
Cottonseed	1,453	1,282	1,423	1,194	1,565	1,134	878	1,215
Lard	996	1,072	1,220	1,159	1,057	962	965	925
Peanut	144	155	186	139	175	107	119	226
Soybean	10,268	11,323	12,105	11,270	10,979	12,040	10,884	11,960
Sunflower	190	254	494	657	302	668	472	503
Tallow, edible	795	921	982	1,122	1,101	1,206	1,300	1,190
Exports								
Coconut	33	8	30	38	28	21	41	25
Corn	88	121	141	181	206	224	300	320
Cottonseed	758	661	728	710	848	546	310	565
Lard	132	97	94	144	114	95	75	55
Palm	51	12	21	9	10	4	0	0
Peanut	100	29	20	48	41	5	6	5
Soybean	2,057	2,334	2,690	1,631	2,077	2,025	1,700	1,500
Sunflower	75	91	190	664	227	505	430	386
Tallow, edible	18	51	70	137	94	95	65	60
Domestic disappearance								
Coconut	939	947	785	1,032	976	875	905	940
Corn	580	619	654	673	688	723	775	800
Cottonseed	696	629	660	527	694	604	540	620
Lard	861	966	1,126	1,023	955	851	905	870
Palm	367	265	223	299	218	286	370	435
Peanut	182	112	185	112	115	140	118	190
Soybean	8,273	8,942	8,981	9,114	9,535	9,857	9,650	9,750
Sunflower	108	156	159	64	139	95	110	111
Tallow, edible	768	862	915	995	996	1,110	1,250	1,150

[1]Estimate. [2]Forecast. [3]August-July year beginning 1981. [4]Not available. Source: Bureau of Census.

U.S. EXPORTS: SOYBEANS

Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1980	1981	1982	1983	1984[1]
North America:					
Canada	401,257	282,001	317,030	235,477	259,617
Mexico	931,249	664,604	287,302	942,536	1,577,491
Other	111,023	129,130	173,842	169,894	119,420
Total	1,443,529	1,075,735	778,174	1,347,907	19,565,528
South America:					
Brazil	11	77,500	202,649	0	0
Colombia	0	16,062	80,925	94,659	98,203
Ecuador	62	7,635	16,163	40,094	22,779
Peru	0	6,237	700	8,400	2,382
Venezuela	65,952	50,245	79,234	54,501	113,457
Other	423	226	723	36	1,187
Total	66,448	157,905	380,394	197,690	238,008
Europe:					
Belgium & Luxembourg	593,327	1,041,369	1,404,710	1,110,907	898,079
Czechoslovakia	1,270	0	12,747	0	0
Denmark	274,392	165,868	142,883	157,520	99,626
France	635,564	628,227	848,381	515,273	540,779
Germany, Fed. Rep. of	1,451,099	2,024,493	2,044,149	1,610,693	741,946
Germany, Dem. R.	1,600	813	0	0	12,076
Greece	0	184,352	218,897	264,190	145,100
Ireland	0	0	0	0	0
Italy	837,955	961,009	906,225	594,616	582,516
Netherlands	5,392,262	4,393,546	5,111,557	3,788,697	3,323,948
Norway	269,562	261,016	344,631	293,555	183,199
Poland	241,637	86,851	92,813	193,235	73,879
Portugal	120,832	298,126	469,504	701,175	608,853
Romania	247,631	60,503	243,818	305,113	369,414
Spain	1,720,915	1,910,235	2,968,165	1,938,353	1,633,409
Switzerland	4,318	111,366	380,973	548,588	265,910
United Kingdom	449,281	518,499	640,061	489,382	286,252
Yugoslavia	181,311	210,017	189,343	222,593	301,622
Other	189,737	21,454	62	6,500	32,744
Total	12,612,693	12,877,744	16,018,919	12,740,390	10,089,352
Soviet Union:	172,942	33,747	649,050	560,869	46,201
Africa:	40,504	22,950	85,761	40,800	28,372
Asia:					
China:					
P.R.C.	605,688	472,951	245,671	0	0
Taiwan	935,796	1,052,796	1,126,536	1,375,002	1,312,722
India	NA	0	0	0	0
Indonesia	202,924	302,597	384,805	366,029	254,712
Israel	259,659	300,354	461,548	436,475	346,123
Japan	4,032,866	4,001,380	4,067,582	4,550,384	4,138,591
Korea, Rep. of	564,433	424,581	588,013	744,617	660,260
Pakistan	17	0	0	0	199
Other	360,823	213,783	226,430	176,646	130,367
Total	6,728,506	6,768,442	7,100,585	7,649,153	6,842,974
Australia & Oceania:	31,126	21,313	7,008	40,082	42,424
Grand Total	21,778,536[2]	21,830,405[2]	25,474,898[2]	22,704,181[2]	19,483,918[2]
Value of Exports:					
Total (Mil. $)	5,880	6,186	6,218	5,913	5,419

Note: Figures computed from unrounded data. [1]Preliminary. [2]Includes Canadian transshipments. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. EXPORTS: SOYBEAN OIL[1]

Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1980	1981	1982	1983	1984[2]
North America:					
Canada	12,657	5,957	5,555	7,470	15,906
Mexico	50,347	2,540	106,792	684	104,656
Other	89,010	92,743	92,261	70,128	113,565
Total	152,014	101,240	204,608	78,282	264,230
South America:					
Brazil	3,998	0	6,006	0	35,697
Colombia	79,301	69,305	76,975	46,079	33,792
Ecuador	37,353	41,622	37,092	45,568	47,910
Peru	32,774	54,838	38,565	72,615	15,768
Venezuela	19,506	53,572	47,343	42,603	74,490
Other	6,270	22,941	3,852	3,058	1,587
Total	179,202	242,278	209,833	209,923	209,300
Europe:					
Belgium & Luxembourg	3	3	0	0	338
Czechoslovakia	NA	0	0	0	0
Denmark	1	1	0	0	1
France	2,940	0	0	1	288
Germany, Fed. Rep. of	81	86	274	510	4
Germany, Dem. R.	NA	0	0	0	0
Greece	0	19	0	0	22
Ireland	0	0	0	0	0
Italy	1	11	25	7	0
Netherlands	8,471	1,019	0	0	0
Norway	NA	18	0	2	0
Poland	11,831	6,997	12,311	10,251	8,304
Portugal	0	0	0	0	0
Romania	NA	0	0	0	0
Spain	1	2	0	3	1
Switzerland	24	350	2	0	0
United Kingdom	52	33	42	8	181
Yugoslavia	19,999	6,648	15,996	131,996	0
Other	244	27	16	125	59
Total	43,648	15,214	28,666	142,903	9,198
Soviet Union:	0	0	0	0	0
Africa:	52,844	62,377	59,371	76,525	78,677
Asia:					
China:					
P.R.C.	99,657	25,617	0	0	9,836
Taiwan	27	10	3,201	3,452	1,243
India	366,405	91,708	35,674	58,715	196,866
Indonesia	36	48	57	51	84
Israel	8,613	5,030	397	535	369
Japan	115	19,701	31,960	3,317	4,692
Korea, Rep. of	18	97	35	55	18
Pakistan	150,221	181,680	273,636	164,621	227,055
Other	22,583	47,212	56,074	44,324	30,461
Total	647,675	371,103	401,034	275,070	470,624
Australia & Oceania:	20,697	26,516	29,346	2,988	1,902
Grand Total	1,096,080	818,730	932,857	785,690	1,003,765
Value of Exports:					
Total (Mil. $)	689	474	486	424	742

Note: Figures computed from unrounded data. [1]Crude and refined oil combined as such, excluding partially hydrogenated soybean salad oil. Includes shipments under P.L. 480 as reported by census. [2]Preliminary. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. EXPORTS: SOYBEAN OILSEED CAKE & MEAL[1]

Volume of Exports by Country of Destination (in Metric Tons) and Total Value

Country or Region of Destination	1980	1981	1982	1983	1984[2]
North America:					
Canada	338,522	338,500	359,262	393,280	483,344
Mexico	178,245	117,669	38,540	168,706	118,438
Other	170,504	206,759	180,776	199,745	209,885
Total	687,271	661,928	578,578	761,731	811,667
South America:					
Brazil	0	0	0	0	0
Colombia	0	7,703	24,889	12,065	11,000
Ecuador	0	0	0	2,632	7,348
Peru	33,560	19,182	24,574	8,483	8,005
Venezuela	339,039	339,150	474,712	506,920	534,155
Other	3,208	14,926	17,670	11,105	13,013
Total	375,807	440,961	541,845	540,605	573,521
Europe:					
Belgium & Luxembourg	21,689	34,390	18,371	6,042	7,403
Czechoslovakia	174,661	20,950	76,381	34,013	0
Denmark	36,443	10	3,500	0	0
France	159,215	27,291	37,793	3,674	0
Germany, Fed. Rep. of	984,312	738,182	739,613	1,340,333	636,595
Germany, Dem. R.	360,631	207,906	120,862	79,244	0
Greece	–	953	6,593	1,200	2,613
Ireland	46,581	2,810	24,450	11,412	12,921
Italy	825,961	756,005	1,032,311	811,149	422,214
Netherlands	1,669,211	1,853,723	2,041,019	1,812,705	673,540
Norway	168	233	0	0	0
Poland	311,423	275,406	7,215	156,354	209,655
Portugal	70,086	225,860	12,600	0	0
Romania	292,704	318,291	56,575	0	0
Spain	2,698	41,437	62,397	77,699	13,894
Switzerland	31,659	32,942	499	55,526	29,125
United Kingdom	83,417	69,557	101,275	49,464	48,689
Yugoslavia	182,050	139,830	95,853	54,928	59,384
Other	239,966	247,913	135,014	257,210	140,816
Total	5,492,875	4,993,689	4,572,321	4,749,923	2,256,849
Soviet Union:	0	0	0	0	0
Africa:	22,622	29,775	38,743	30,589	21,634
Asia:					
China:					
P.R.C.	0	0	0	0	0
Taiwan	10,496	386	0	0	481
India	0	0	0	0	0
Indonesia	18,608	0	81,452	45,200	80,244
Israel	0	50	0	15	0
Japan	245,505	82,134	48,687	33,587	18
Korea, Rep. of	0	38,726	69,207	85,153	27,516
Pakistan	0	0	4,999	0	2,032
Other	151,930	89,737	248,750	201,020	672,368
Total	426,539	211,033	453,095	364,975	782,659
Australia & Oceania:	18,673	7,228	36,158	40,492	23,343
Grand Total	7,023,787	6,344,614	6,220,742	6,488,317	4,469,675
Value of Exports:					
Total (Mil. $)	1,664	1,589	1,411	1,527	1,019

Note: Figures computed from unrounded data. [1]Includes soybean flour and meal. [2]Preliminary. Source: Compiled from reports of the U.S. Department of Commerce, U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. EXPORTS
SOYBEAN, COTTONSEED AND SUNFLOWERSEED OILS

U.S. Commercial and P.L. 480 Exports
Volume of Exports by Country of Destination and Total Value
(Year Beginning in October)

Country or Region of Destination	1979-80	1980-81	1981-82	1982-83	1983-84
	Thousand Metric Tons				
North America					
Canada	20	10	11	16	20
Mexico	36	28	91	106	93
Total	56	38	102	122	113
Caribbean					
Haiti	23	22	9	20	13
Dominican Republic	51	58	56	46	43
Other	14	17	14	16	15
Total	88	97	79	82	71
Central America					
Guatemala	2	5	13	22	10
El Salvador	4	14	17	20	20
Panama	18	16	22	16	16
Other	30	10	21	11	10
Total	54	45	73	69	56
South America					
Colombia	83	60	78	70	25
Venezuela	116	252	165	164	156
Ecuador	38	39	36	50	41
Peru	36	41	47	70	25
Others	90	27	12	4	3
Total	363	419	338	358	250
European Community	23	77	17	38	28
Other Western Europe	11	6	—	—	—
East Europe & USSR					
Poland	4	15	10	9	10
USSR	25	2	41	0	0
Yugoslavia	0	27	16	132	0
Total	28	44	68	141	10
Middle East	15	6	3	2	9
North Africa					
Morocco	2	5	10	9	2
Algeria	12	80	5	24	9
Tunisia	1	2	—	6	0
Egypt	173	122	166	82	90
Total	187	209	181	121	102
Other Africa	43	47	53	64	67

U.S. EXPORTS
SOYBEAN, COTTONSEED AND SUNFLOWERSEED OILS
(continued)

U.S. Commercial and P.L. 480 Exports
Volume of Exports by Country of Destination and Total Value
(Year Beginning in October)

Country or Region of Destination	1979-80	1980-81	1981-82	1982-83	1983-84
	Thousand Metric Tons				
South Asia					
India	428	89	68	55	169
Pakistan	147	126	261	237	200
Bangladesh	21	25	34	24	15
Other	1	1	1	1	1
Total	597	241	364	316	385
Other Asia					
Thailand	1	7	3	4	6
Singapore	—	6	2	—	3
Philippines	3	5	3	7	3
China, P.R.C.	100	26	—	0	—
Korea	2	3	3	3	3
Japan	28	56	96	50	37
Other	6	—	4	7	2
Total	140	103	111	71	54
Australia & Oceania	31	31	40	9	2
GRAND TOTAL	1,637	1,363	1,429	1,395	1,148
Total Soybean Oil Exports	1,220	740	942	918	823
P.L. 480 Title I	109	135	160	165	111
P.L. 480 Title II	113	138	88	121	142
Commercial, including CCC programs	998	467	694	632	570
Value of Soybean Oil Exports					
Total (Thousand $)	781,878	457,151	498,074	461,677	617,286
Per Pound (cents)	29	28	24	23	34
Total Cottonseed Exports	330	322	384	247	137
P.L. 480 Title I	12	4	21	16	3
Value of Cottonseed Oil Exports					
Total (Thousand $)	212,815	204,855	211,019	130,796	97,048
Per Pound (cents)	29	29	25	24	32
Total Sunflowerseed Oil Exports	86	301	103	229	188
P.L. 480 Title I				9	
Value of Sunflowerseed Oil Exports					
Total (Thousand $)	49,399	188,871	58,727	116,316	127,340
Per Pound (cents)	26	28	26	23	31

(-) denotes less than 500 metric tons. All figures rounded to nearest 1,000 metric tons.
Source: U.S. Bureau of Census. U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. EXPORTS
SOYBEAN and COTTONSEED OILS

U.S. Commercial and P.L. 480 Exports
By Year: 1950 - 1983

Year Beginning October	Commercial				P.L. 480			Grand Total	% P.L.480
	Barter	CCC Credit	Other[1]	Total	Title I[2]	Title II[2]	Total		
	Million Pounds								
SOYBEAN OIL									
1950	—	—	490	490	—	—	—	490	—
1955	—	—	274	274	282	—	282	556	51
1960	—	—	283	283	417	21	438	721	61
1965	176	21	182	379	324	220	544	923	59
1966	132	47	90	269	522	286	808	1,077	75
1967	67	18	47	132	618	213	831	963	86
1968	75	—	54	129	573	168	741	870	85
1969	444	53	145	642	604	174	778	1,420	55
1970	599	209	131	939	564	239	803	1,742	46
1971	202	273	188	663	394	341	735	1,398	53
1972	98	190	390	678	177	210	387	1,065	36
1973	—	—	1,159	1,159	168	108	276	1,435	19
1974	—	—	884	884	33	111	144	1,028	14
1975	—	—	779	779	182	15	197	976	20
1976	—	159	1,025	1,184	278	86	364	1,548	24
1977	—	154	1,531	1,685	368	4	372	2,057	18
1978	—	417	1,591	2,009	112	214	326	2,334	14
1979	—	214	1,996	2,210	240	240	480	2,690	18
1980	—	185	850	1,035	299	297	596	1,631	37
1981	—	355	1,176	1,531	352	194	546	2,077	26
1982	—	747	675	1,442	365	238	603	2,025	30
1983[3]	—	214	1,043	1,257	244	313	557	1,814	31
COTTONSEED OIL									
1950	—	—	57	57	—	—	—	57	—
1955	3	—	306	309	290	6	296	605	49
1960	—	—	287	287	68	14	82	369	22
1965	51	—	154	205	65	2	67	272	25
1966	38	4	33	75	—	1	1	76	1
1967	19	—	28	47	—	2	2	49	4
1968	69	—	68	137	—	2	2	139	1
1969	43	60	348	451	—	1	1	452	—[4]
1970	186	22	153	361	9	1	10	371	3
1971	182	50	214	446	55	1	6	452	1
1972	232	89	255	576	6	—	6	582	1
1973	—	—	563	563	—	—	—	563	—
1974	—	—	685	685	—	—	—	685	—
1975	—	—	507	507	—	—	—	507	—
1976	—	—	690	690	—	—	—	690	—
1977	—	—	758	758	—	—	—	758	—
1978	—	—	650	650	11	—	11	661	2
1979	—	—	702	702	26	—	26	728	4
1980	—	—	702	702	8	—	8	710	1
1981	—	—	800	800	47	—	47	847	6
1982	—	—	511	511	35	—	35	546	6
1983[3]	—	—	296	296	7	—	7	303	2

[1]Includes dollar financing by AID. [2]Includes all sales programs, i.e., foreign currencies, relief agencies and disaster and other relief by AID. [3]Preliminary. [4]Insignificant. Source: Total exports as reported by Bureau of Census. Breakdown between dollars and P.L. 480 from U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

U.S. Soybean Exports by Port Areas

Sept. 83 — Aug. 84 (Thousand Bushels)

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U.S. EXPORTS: SOYBEAN OIL
P.L. 480, Title I and III
Volume (in Metric Tons) and Value (in $1,000) By Country of Destination

	FY 1980		FY 1981		FY 1982		FY 1983		FY 1984	
	Volume	Value	Volume	Value	Volume	Value	Volume	Value	Volume	Value
Bangladesh	–	–	25,000	14,935	25,014	13,391	23,911	10,881	14,348	8,999
Costa Rica	–	–	–	–	1,000	513	–	–	–	–
Dominican Rep.	–	–	–	–	5,504	2,380	10,575	4,339	–	–
El Salvador	–	–	4,196	2,263	–	–	100	63	12,874	9,071
Guatemala	–	–	–	–	–	–	–	–	1,408	1,222
Guinea	1,470	952	1,601	999	–	–	–	–	–	–
Guyana	2,835	1,998	–	–	–	–	–	–	–	–
Haiti	4,370	2,982	–	–	6,817	2,941	6,546	3,985	4,009	2,999
Jamaica	1,356	749	3,849	2,299	1,030	599	2,671	1,486	1,800	1,599
Madagascar	–	–	–	–	–	–	1,449	1,000	1,102	1,000
Pakistan	90,880	49,996	95,790	49,699	109,878	49,989	91,652	49,567	60,973	49,995
Peru	–	–	–	–	–	–	7,122	5,000	–	–
Somalia	6,217	4,874	5,033	3,423	6,239	4,099	9,446	5,400	5,816	5,499
Tunisia	–	–	–	–	–	–	6,148	2,885	–	–
Zambia	1,930	1,245	–	–	4,078	1,899	5,874	2,398	8,536	5,491
	109,058	$62,796	135,469	$73,618	159,560	$75,911	165,494	$87,004	110,866	$85,875

Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

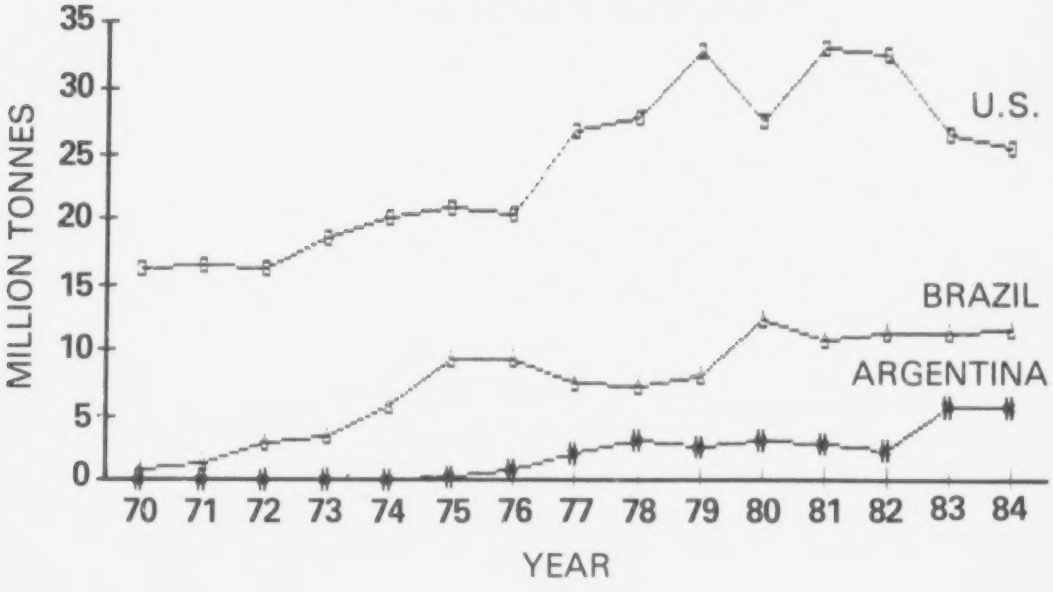
BRAZILIAN EXPORTS OF SOYBEANS AND PRODUCTS TO MAJOR COUNTRIES

(Thousand Metric Tons)

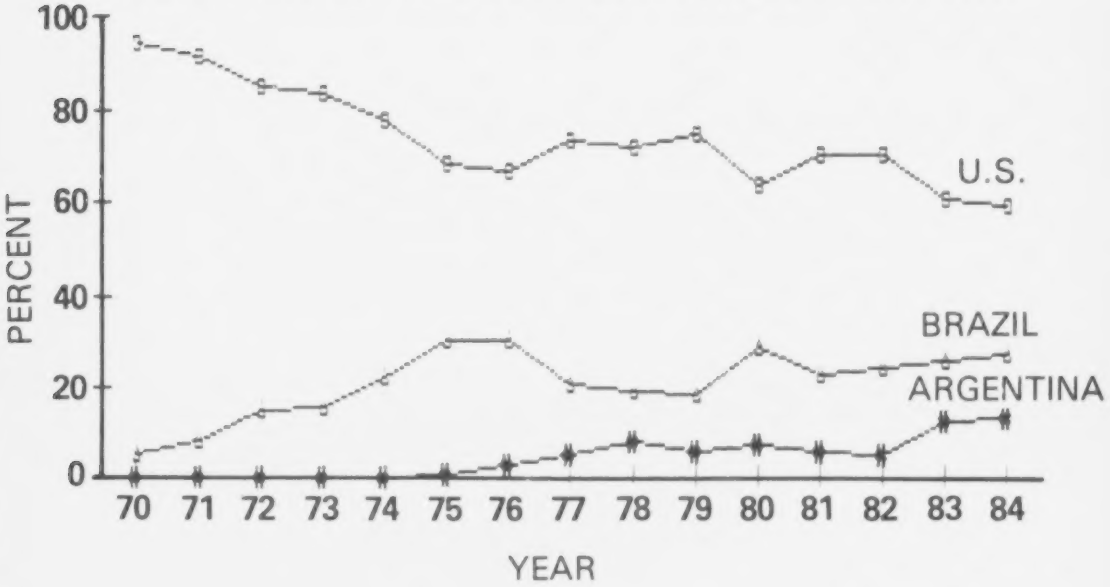
	1976	1977	1978	1979	1980	1981	1982	1983
Soybeans								
European Community	1,436	933	365	376	574	185	18	416
Other Western Europe	571	625	200	155	770	530	27	536
Eastern Europe[1]	1,187	552	32	45	118	497	255	128
Central & So. America		77	1	1	45	224	187	121
Other	445	400	61	61	42	14	14	94
Total	3,639	2,587	659	638	1,549	1,450	501	1,295
Soybean Meal								
European Community	2,502	3,138	3,934	3,418	4,325	5,285	4,347	4,711
Other Western Europe	308	316	137	188	141	67	86	364
Asia		478	475	530	754	911	891	777
Eastern Europe[2]	1,093	1,230	738	982	1,333	2,482	2,306	2,482
Other	471	192	135	53	29	144	170	162
Total	4,374	5,354	5,419	5,171	6,582	8,889	7,800	8,496
Soybean Oil								
Bangladesh	6	10	7	0	12	7	0	0
Chile	—	20	10	16	10	18	18	54
Colombia	—	15	5	0	0	39	11	22
India		181	183	240	250	561	320	468
Iran	186	115	105	68	218	228	257	248
Morocco	26	27	3	6	0	12	36	19
Netherlands	—	11	11	19	35	55	10	64
Pakistan	0	0	85	93	61	53	32	37
People's Rep. of China	6	73	53	46	21	24	25	0
Peru	26	7	0	—[3]	4	21	9	0
Tunisia	0	0	0	5	3	—[3]	0	0
Turkey	8	0	0	0	0	0	3	6
USSR		1	0	17	32	75	74	54
Other	240	42	42	24	98	188	54	99
Total	498	502	504	534	744	1,281	849	1,071

[1]Includes soybean exports to the Soviet Union. [2]Includes soybean meal exports to the Soviet Union. [3]Less than 500 MT. Source: U.S. Department of Agriculture, Foreign Agricultural Service, Oilseeds and Products Division.

SOYBEAN & PRODUCT EXPORTS BY MAJOR COUNTRIES (SOYBEAN EQUIVALENT)



WORLD SHARE OF SOYBEAN & PRODUCT EXPORTS



U.S. IMPORTS, EXPORTS: OILSEED CAKE AND MEALS

1935-1984
(Thousand Short Tons)

Year Beginning October	IMPORTS						EXPORTS					
	Cotton-seed	Soy-bean	Lin-seed	Pea-nut	Copra	TOTAL	Cotton-seed	Soy-bean	Lin-seed	Pea-nut	Copra	TOTAL
1935	5.7	20.0	17.2	1.9	49.3	94.1	10.6	*	210.6	*	*	221.2
1936	26.8	55.7	15.9	9.6	73.0	181.0	12.6	*	328.8	*	*	341.4
1937	4.6	15.5	5.3	2.2	39.8	67.4	88.5	*	240.3	*	*	328.8
1938	4.4	12.3	7.8	10.5	53.9	88.9	11.6	35.0	286.6	*	*	333.2
1939	33.0	12.1	1.3	9.8	88.4	144.6	4.9	62.3	146.7	*	*	213.9
1940	52.2	8.1	.6	7.5	84.0	152.4	.9	25.4	4.8	*	*	31.1
1941	37.3	0.0	.2	7.1	22.6	67.2	1.1	19.7	11.1	*	*	31.9
1942	46.8	0.0	1.0	4.6	0.0	52.4	1.7	20.9	4.2	.1	.1	27.0
1943	96.3	0.0	2.5	3.6	0.0	102.4	.6	16.1	1.5	.1	.1	18.4
1944	87.4	0.0	10.0	2.5	.1	100.0	—[3]	10.0	.7	.4	.1	11.2
1945	47.6	—[3]	1.2	3.1	1.5	53.4	—[3]	.9	.3	.1	.1	1.4
1946	15.6	0.0	—[3]	1.1	.5	17.2	5.3	141.7	4.6	26.2	5.1	182.9
1947	13.8	0.0	8.8	3.1	7.0	32.7	9.6	95.7	28.5	3.7	0.0	137.5
1948	39.4	3.2	8.1	.9	44.3	95.9	121.7	150.1	54.0	21.1	0.0	346.9
1949	104.8	26.1	4.8	6.2	56.4	198.3	123.6	47.4	6.5	48.9	0.0	226.4
1950	90.7	32.8	1.0	1.1	65.8	191.4	13.2	181.1	29.2	24.0	.3	247.8
1951	201.9	24.1	23.3	5.2	104.2	358.7	35.0	41.8	7.0	2.2	—[3]	86.0
1952	135.6	41.1	26.4	3.5	96.5	303.1	55.2	46.8	—[3]	—[3]	—[3]	102.0
1953	69.8	15.6	.6	.7	79.8	166.5	66.1	66.5	34.2	1.4	*	168.2
1954	32.3	0.0	0.0	0.0	62.8	95.1	167.8	271.7	75.0	1.6	*	516.1
1955	59.4	0.0	0.0	0.0	44.9	104.3	155.7	400.4	152.6	30.0	*	738.7
1956	54.6	.1	2.5	0.0	66.6	123.8	30.1	443.2	42.7	15.0	*	531.0
1957	71.6	1.4	7.9	0.0	67.5	148.4	7.2	300.0	5.9	1.7	*	322.6
1958	127.5	—[3]	4.0	0.0	30.6	162.1	27.3	512.2	31.2	*	*	570.7
1959	32.3	.1	2.1	0.0	8.1	42.6	140.2	648.7	62.6	*	*	851.5
1960	45.8	0.0	2.1	0.0	18.0	65.9	46.2	589.7	30.9	0.0	0.0	666.7
1961	75.5	0.0	2.1	0.0	15.5	93.1	25.8	1,063.7	28.1	0.0	0.0	1,117.6
1962	42.0	0.0	.7	0.0	8.9	51.6	84.9	1,475.7	52.1	0.0	0.0	1,612.7
1963	30.1	0.0	.8	0.0	22.9[1]	53.8	54.3	1,478.4	61.3	0.0	11.5[1]	1,624.2
1964	20.1	0.0	1.2	0.0	13.6[1]	34.9	138.8	2,036.1	72.8	0.0	22.6[1]	2,270.4
1965	44.4	0.0	1.0	0.0	7.1[1]	52.5	98.8	2,601.6	113.7	0.0	53.9[1]	2,868.0
1966	58.8	0.0	5.8	0.0	14.8[1]	79.9	7.2	2,656.6	93.4	0.0	32.8[1]	2,790.1
1967	44.3	0.0	.3	0.0	4.0[1]	48.6	3.3	2,899.4	103.7	0.0	81.4[1]	3,087.9
1968	29.5	0.0	1.7	0.0	4.0[1]	35.2	15.0	3,044.3	78.5	0.0	61.0[1]	3,198.9
1969	1.1	0.0	1.9	0.0	6.7[1]	9.7	18.8	4,035.3	83.5	0.0	50.5[1]	4,188.4
1970	0.0	0.0	1.5	0.0	2.2[1]	3.7	27.0	4,559.1	110.1	0.0	76.5[1]	4,772.7
1971	.1	0.0	3.0	0.0	10.6[1]	13.7	6.3	3,805.4	143.5	0.0	90.3[1]	4,045.5
1972	4.3	0.0	2.2	0.0	NA	6.5	24.0	4,744.8	142.7	0.0	NA	4,911.5
1973	4.6	0.0	13.6	0.0	NA	18.2	69.0	5,547.6	106.7	0.0	NA	5,723.3
1974	1.0	0.0	0.0	0.0	NA	1.0	11.4	4,298.8	143.6	0.0	NA	4,453.8
1975	11.4	0.0	0.0	0.0	NA	11.4	24.1	5,144.8	143.1	0.0	NA	5,312.0
1976	2.0	0.0	1.0	0.0	NA	3.0	50.0	4,559.0	87.0	0.0	NA	4,696.0
1977	0.0	4.0	4.0	0.0	NA	8.0	115.0	6,080.0	158.0	0.0	NA	6,353.0
1978	9.0	0.0	2.0	0.0	NA	11.0	150.0	6,610.0	118.0	0.0	NA	6,878.0
1979	7.0	0.0	2.0	0.0	NA	9.0	175.0	7,932.0	76.0	0.0	NA	8,183.0
1980	—[3]	0.0	1.0	0.0	NA	1.0	99.0	6,784.0	142.0	0.0	NA	7,025.0
1981	0.0	0.0	2.0	0.0	NA	2.0	107.0	6,908.0	103.0	0.0	NA	7,118.0
1982	0.0	0.0	2.0	0.0	NA	2.0	1.0	7,109.0	94.0	0.0	NA	7,204.0
1983	0.0	0.0	1.0	0.0	NA	1.0	1.0	5,436.0	113.0	0.0	NA	5,550.0
1984[4]	0.0	0.0	2.0	0.0	NA	2.0	5.0	4,800.0	95.0	0.0	NA	4,900.0

* Not separately reported. [1]Includes copra and other cake and meal no longer separately reported by Census.
[2]Less than 50 tons. [3]Less than 500 tons. [4]Forecast.
Source: U.S. Department of Agriculture, Agriculture Stabilization & Conservation Services, Analysis Division.

Glossary

GENERAL TERMS

Soybean(s) — A legume, the botanical name of which is Glycine max (L.) Merrill; a summer annual varying in height from less than a foot to more than 6 feet and in habit of growth from stiffly erect to prostrate; the cultivated plant may reach a height of 3 feet or more. The seeds (soybeans) are borne in pods that grow in clusters of three to five with each pod usually containing two or three or more seeds. The oil content of the soybean varies from 13% to 26% (average 18% to 22%) and from 38% to 45% protein (on a moisture-free basis). Soybeans were grown for centuries in the Orient and first introduced to the United States early in the 19th century. Soybeans grow best in areas having hot, damp summer weather but they can be grown under a great variety of climatic conditions. The term "soybean" has been accepted as standard in the United States in preference to "soya bean," "soy bean," "soya-bean," or "soja bean." It is incorrect to use the term "beans" when referring to soybeans.

Soybean Processor — An individual, or a group of two or more individuals working together as a company or firm, whose primary business is the separation of the oil and meal in soybeans. The activities of a processor may also include refining and/or distribution of the oil as well as distribution of the soybean meal or soy protein.

Soybean Extraction/Processing — The procedures involved in the separation of the oil and the protein meal; also called "crushers" or oil mill operations. There are two types of processes presently used in the United States for this purpose:

(1) **Solvent Extraction** — The process whereby the oil is leached or washed (extracted) from flaked soybeans by the use of commercial hexane as the solvent. The level of oil in the extracted flakes can be reduced to 1% or less by this processing method. The products resulting from the use of this process are designated in the trade as "solvent extracted," e.g. "solvent extracted soybean meal," "dehulled solvent extracted soybean meal," "solvent extracted soy grits," "solvent extracted soy flour." Practically all soybeans processed in the United States are processed by the solvent extraction system.

(2) **Continuous Pressing** — A continuous pressing process, at elevated temperatures, using expellers or screw presses which utilize a worm shaft continuously rotating within a pressing cylinder or cage to express the oil from soybeans after they have been ground and properly conditioned. The oil content of the resulting press cake is reduced to from 4% to 6% by this processing method.

Although technically incorrect, the products resulting from this type of processing are often referred to as "expeller," e.g. "expeller soybean meal." (The term "Expeller" applies specifically to the screw press manufactured by Anderson IBEC of Strongsville, Ohio, whereas the screw press manufactured by the French Oil Mill Machinery Co. of Piqua, Ohio, is designated as a "mechanical screw press."

A third type of processing, called **Batch Pressing**, is not used at present in the United States to any appreciable extent but is used in some parts of the world for recovering the oil from soybeans and other oil-bearing materials. It is the oldest process known to the vegetable oil processing industry. It consists of an intermittent pressing operation carried out at elevated temperatures in a mechanical or hydraulic press after the soybeans have been rolled into flakes and properly conditioned by heat treatment.

Crude Soy Oil — Sometimes referred to as crude raw soybean oil; the unrefined oil produced by any one of the procedures described above for the extraction of oil from soybeans. It is customary to filter the oil and/or allow it to settle after being processed from the soybeans as required by the standard trade specifications.

— A mixture of triglycerides composed of unsaturated fatty acids (oleic, linoleic, linolenic) and saturated fatty acids, together with usually not more than 1.5% of free fatty acids and from 1.8% to 3.2% of phospholipids, depending on the quality and kind of soybeans and the procedure used in the processing.

Edible Crude Soy Oil — Soy oil which shall be of any of the following designated types produced from mature yellow soybeans: (1) expeller pressed, (2) expeller pressed degummed, (3) hydraulic pressed, (4) hydraulic pressed degummed, (5) solvent extracted, (6) solvent extracted degummed and (7) mixtures of any of the above-described types. When the oil is produced by solvent extraction, the name of the solvent used in the process must be given.

Degummed Soy Oil — Sometimes referred to as crude degummed soy oil; the product resulting from washing crude soy oil with water and/or steam or another degumming agent for a specified period of time and then separating the oil-and-water mixture, usually by centrifugation, to remove the phosphatides. It shall not contain more than 0.02% of phosphorus without a discount penalty.

Once Refined Soy Oil — Oil produced from crude soy oil which has been subjected only to the dilute alkali solution (refining) treatment or a comparable chemical treatment.

Fully Refined Soy Oil — The edible oil produced from crude or degummed soy oil which has been treated with dilute alkali solution (caustic refining) or neutralization, treated with adsorbent clay materials (bleaching) and subjected to steam distillation at high temperatures under vacuum (deodorizing). Such oil may also be produced by a process called physical (steam) refining which consists of degumming, bleaching and neutralization by final step of deodorizing.

Edible Refined Soy Oil — Crude or degummed soy oil which has been subjected to special refining processes to adapt it specifically for use in food products. In addition to treatment with alkali, bleaching, partial hydrogenation and deodorization, the oils may be also winterized. These oils are further classified as salad oils, cooking oils or shortenings.

Hydrogenated Soy Oil — During the process of hydrogenation, the soy oil is exposed to hydrogen gas in the presence of heat and a catalyst (nickel, copper chromite) and the hydrogen combines with certain of the chemical components (unsaturated fatty acids) of the triglycerides with a resultant increase in the melting point of the oil; sometimes referred to as "hardening."

Cold Pressed Soy Oil — Soy oil produced from undamaged, mature, cleaned yellow soybeans by mechanical processing without application of heat, and then filtered. Such oil is usually sold in health food stores.

Winterized Oil — Oil which has been treated in a manner to partially remove the saturated glycerides which have relatively high melting points and are soluble only to a limited extent in the unsaturated glycerides. The process consists of chilling the oil slowly and then maintaining it at 5 degrees C (41 degrees F) for a specified period of time and removing the crystallized glycerides from the liquid fraction of the oil by the use of filter presses. Soy oil does not require winterizing unless it has been partially hydrogenated to increase stability.

Technical Grade Refined Soy Oil — Includes a wide variety of soy oils that are specially refined and further processed to meet requirements and/or specifications for a definite industrial use.

Soybean Fatty Acids — The product obtained when glycerine is split off from the triglycerides in soy oil by any method of hydrolysis. In the field of industrial usage, soybean fatty acids are usually further classified according to the treatment to which they are subjected subsequent to hydrolysis.

Soybean Soapstock — The byproduct that results from the alkali refining of soy oil; averages about 6% of the volume of crude oil refined. It is sometimes referred to as "foots" since it accumulates at the bottom (foot) of the refining tank. Contract grade should contain not less than 30% total fatty acid.

Acidulated Soybean Soapstock — The product that results from the complete acidulation of soybean soapstock. Contract grade should contain not less than 85% total fatty acid.

Soybean Lecithin — The mixed phospholipids product obtained from soy oil by the degumming process, contains lecithin, cephalin and inositol phosphatides, together with glycerides of soy oil and traces of tocopherols, glucosides and pigments. It is designated and sold according to conventional descriptive grades with respect to consistency and bleaching. The dehydrated emulsion of mixed phosphatides and soy oil is further processed to produce the commercial grades which may be described as follows: plastic or firm consistency; soft consistency; fluid; unbleached; bleached; and double bleached. High-quality commercial lecithin contains 60% to 65% phosphatides.

Break Material — Flocculent material (precipitate) that appears in and can be separated from crude soy oil that has been rapidly heated to temperatures between 250 degrees C and 300 degrees C (482 degrees F and 572 degrees F). It is very high in ash content, rich in phosphorus, calcium and magnesium. It is presumed to be derived from phospholipids which are thermally decomposed at these high temperatures. Break material is sometimes referred to as "foots."

Sludge — The solid residue which settles to the bottom of the tank or car in which crude soy oil is stored or shipped. It cannot be pumped out or removed by rubber-faced scrapers from the surface to which it adheres; steam must be applied to facilitate its removal. It is sometimes referred to as "tank bottoms" or "foots."

SOY PROTEIN TERMS

Protein — A naturally occurring combination of amino acids, containing carbon, hydrogen, oxygen, nitrogen and usually sulphur. Protein is one of the essential constituents of all living things and of the diet of animal organisms.

Amino Acids — Chief components and determinants of the characteristics of a protein; the building blocks of living tissues. Eighteen different amino acids commonly occur in our food supply and eight are considered essential because the body cannot make them.

Soy Grits and/or Flour — The ground, screened, graded product obtained after extracting most of the oil from selected, sound, clean, dehulled soybeans. They are produced from grinding the defatted soy flakes. Grits are coarser ground than soy flour. Protein range is 40% to 60%.

Defatted Soy Flour — Flour produced by the nearly complete removal of the oil from soybeans by the use of hexane or other homologous hydrocarbon solvents; usually contains about 1% of fat.

Low-fat Soy Flour — Flour produced either by partial removal of the oil from soybeans or by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 5% to 6%.

High-fat Soy Flour — Flour produced by adding back soy oil and/or lecithin to defatted soy flour to a specified level, usually in the range of 15%.

Full-fat Soy Flour — Flour containing all of the oil originally present in the raw soybeans; usually 18% to 20%.

Standards & Specifications

NSPA, AAFCO and IFN

These standards have been adopted for certain soy products by the National Soybean Processors' Association (NSPA), Association of American Feed Control Officials (AAFCO), and the International Feed Numbers (IFN) specifications, and made a part of their trading rules governing purchase and sale of soybean meal in the United States:

Soybean Cake, Soybean Chips, Expeller Soybean Meal—The product after the extraction of part of the oil by pressure or solvents from soybeans. A name descriptive of the process of manufacture, such as expeller, hydraulic or solvent extracted, shall be used as part of the brand name. It shall be designated and sold according to its protein content.

Protein	Minimum	41.0%
Fat	Minimum	3.5%
Fiber	Maximum	6.5%
Moisture	Maximum	12.0%
Urease Activity-Range (as increase in pH)[1]		0 05-0.20[2]

Bulk Density Range: 36 to 40 pounds/cubic foot.

Screen Analysis: 95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	—
Chick Weights—4 weeks: in grams[5]	500.0	—

[1] Urease Activity, A.O.C.S. Tentative Method Ba 9-58.
[2] If the soybean meal is to be used in a mixture containing a significant level of soy (20% or more), 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.
[3] P.D.I.—Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I.—Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.
[4] P.E.R.—Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.
[5] Using a medium energy "Carrick" type of corn-soy diet.

Soybean Flakes, 44% Protein Soybean Meal—44% Soybean Meal is produced by cracking, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis. The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	44.0%
Fat	Minimum	0.5%
Fiber	Maximum	7.0%
Moisture	Maximum	12.0%
Urease Activity-Range (as increase in pH)[1]		0.05-0.20[2]

Bulk Density Range: 35 to 38 pounds/cubic foot.

Screen Analysis: 95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.3	—
Chick Weights—4 weeks: in grams[5]	500.0	—

Dehulled Soybean Meal—Dehulled soybean meal is produced by cracking, dehulling, heating and flaking soybeans and reducing the oil content of the conditioned product by the use of hexane or homologous hydrocarbon solvents to 1% or less on a commercial basis. The extracted flakes are cooked and ground into meal. The meal will not contain viable weed seeds. The meal may contain a nontoxic conditioning agent to reduce caking and improve flowability in an amount not to exceed that necessary to accomplish its intended effect and in no case exceed 0.5%. The name of the conditioning agent must be shown as an added ingredient on the label.

Protein	Minimum	48-50%
Fat	Minimum	0.5%
Fiber	Maximum	3.0-3.5%
Moisture	Maximum	12.0%
Urease Activity-Range (as increase in pH)[1]		0.05-0.20[2]

Bulk Density Range: 41 to 42 pounds/cubic foot.

Screen Analysis: 95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20. Maximum 6.0% through U.S. Screen #80.

Performance Criteria	Minimum	Maximum
P.D.I. and/or N.S.I.[3]	15.0%	30.0%
P.E.R. (Protein Efficiency Ratio)[4]	2.4	—
Chick Weights—4 weeks: in grams[5]	600.0	—

Soybean Mill Feed and Soybean Mill Run—Two products are involved with somewhat different analysis. The type of product available depends on where the hulls are removed in the extraction process.

Soybean mill feed is produced by allowing the hulls to go through the extraction process with the meal. At the end they are removed by air aspiration. The process leaves some soybean meal and soybean flour with the hulls. Soybean mill feed is then composed of soybean hulls and the offal from the tail of the mill in the manufacture of soy flour or grits.

Soy mill run is produced by removing the hulls in the beginning of the extraction process. It is composed of soybean hulls and such soybean meal as adheres to the hulls in the normal milling operations in the production of dehulled soybean meal.

	Soybean Mill Feed	Soybean Mill Run
Crude Protein	13-15%	10-12%
Crude Fat	1-2%	1-2%
Crude Fiber	32-34%	35-40%
Moisture	9-11%	9-11%

Bulk Density: 25 to 27 pounds/cubic foot.

Screen Analysis: 95-100% through U.S. Screen #10. 40-60% through U.S. Screen #20 and a maximum 6% through U.S. Screen #80.

[1] Urease Activity. A.O.C.S. Tentative Method Ba 9-58.

[2] If the soybean meal is to be used in a mixture containing a significant level of soy (20% or more), 5% or more of urea and 20% or more of molasses, or if a similar soya-urea mixture is to be exposed to hot, humid storage conditions, then it is advisable that the urease activity of the soybean meal does not exceed 0.12 increase in pH.

[3] P.D.I.—Protein Dispersibility Index, AOCS Tentative Method Ba 10-65, or N.S.I.—Nitrogen Solubility Index, AOCS Tentative Method Ba 11-65.

[4] P.E.R.—Protein Efficiency Ratio: Biological Evaluation of Protein Quality Official Methods, AOAC 11th Edition.

[5] Using a medium energy "Carrick" type of corn-soy diet.

AAFCO

SOY PRODUCTS

The following definitions have been adopted officially by the Association of American Feed Control Officials Inc. (AAFCO):

Ground Soybeans – The product obtained by grinding whole soybeans without cooking or removing any of the oil; sometimes erroneously called "soybean meal." (Adopted 1933.)

Soybean Hulls – The product consisting primarily of the outer covering of the soybean. (Adopted 1948.) (NSPA states that a typical analysis is 13% moisture.)

Solvent Extracted Soybean Feed – The material resulting from the partial removal of protein-free and nitrogen-free extract from dehulled, solvent extracted soybean flakes; it shall be designated and sold according to its protein content. (Adopted 1948. Amended 1960 and 1964.)

Soybean Meal – The product obtained by grinding the cake, chips or flakes which are products obtained by removal of most of the oil from soybeans by several methods, hydraulic, expeller and solvent extracted, respectively; the name must include one of the terms "Hydraulic," "Expeller" or "Solvent Extracted" to indicate the method of manufacture of the source material; heat shall be applied during the process; it may be sold in various physical forms other than "meal," such as "cubes," "pellets," "pea size," "cake," "chips" or "flakes"; it must be designated and sold according to its protein content and shall contain not more than 7% crude fiber. (Proposed 1960. Adopted 1961.)

Dehulled Solvent Extracted Soybean Meal – The product obtained by grinding flakes which are obtained by removing most of the oil from dehulled soybeans; heat shall be applied during the process; it must be designated and sold acording to its protein content and must not contain more than 3% crude fiber. (Proposed 1960, Adopted 1961.) (NSPA states not more than 3.3% fiber, not less than 49% protein and not greater than 0.5% fat.)

Heat Processed Soybeans – The product resulting from heating whole soybeans without removing any of the component parts; it may be ground, pelleted, flaked or powdered; it shall be sold according to its protein content. (Proposed 1960. Adopted 1964.)

Lecithinated Soy Flour – A type of low-fat or high-fat soy flour in which lecithin is added to defatted soy flour to a specified level, usually in a range up to 15%.

Soy Protein Concentrate – Produced from defatted soybean flakes or flour by a process which immobilizes the protein and removes soluble sugars, mineral, etc. Concentrate has a protein content of 70%.

Isolated Soy Protein – Protein which has been greatly concentrated from its native location by chemical or mechanical means. It is produced by extracting white flakes or flour with water or a mild alkali. Isolate generally has a protein content of 90%.

Textured Vegetable Protein – Soy or other vegetable protein that has texture imparted by spinning a fiber and combining the fiber in layers to achieve the desired texture, or by a thermo-plastic extrusion process.

Meat Analogs – Material usually prepared from vegetable protein to resemble specific meats in texture, color and flavor.

Meat Extenders – Use of soy or other vegetable proteins as partial substitutes for meat in processed items such as patties, chili, casseroles, etc.

Toasting – The term commonly but erroneously applied to the processes (moist) of cooking soybean meal, flour or grits by atmospheric or pressure methods for the purpose of increasing the protein efficiency of these soy products or improving their functional properties and/or improving physical texture.

UNITED STATES STANDARDS FOR SOYBEANS*

Revised Effective September 8, 1977

SECTIONS

26.601 Terms defined.
26.602 Principles governing applicaiton of standards.
26.603 Grades, grade requirements and grade designations.
26.901 Interpretation with respect to the term "Distinctly low quality."
26.902 Interpretation with respect to the term "purple mottled or stained."
26.903 Interpretation with respect to the term "Bicolored soybeans."

AUTHORITY

26.601 to 26.603 issued under Sec. 8, 39 Stat. 485; 7 U.S.C. 84. Interpret or apply Sec. 2, 39 Stat. 482, as amended; 7 U.S.C. 74.

§26.601 Terms defined

For the purposes of the United States Standards for Soybeans:

(a) **Soybeans**. Soybeans shall be any grain which consists of 50% or more of whole or broken soybeans which will not pass readily through an 8/64 sieve and not more than 10.0 percent of other grains for which standards have been established under the United States Grain Standards Act.

(b) **Classes**. Soybeans shall be divided into the following five classes: yellow soybeans, green soybeans, brown soybeans, black soybeans and mixed soybeans.

(c) **Yellow soybeans**. Yellow soybeans shall be any soybeans which have yellow or green seed coats and which in cross section are yellow or have a yellow tinge and may include not more than 10.0 percent of soybeans of other classes.

(d) **Green soybeans**. Green soybeans shall be any soybeans which have green seed coats and which in cross section are green, and may include not more than 10.0 percent of soybeans of other classes.

(e) **Brown soybeans**. Brown soybeans shall be any soybeans with brown seed coats and may include not more than 10.0 percent of soybeans of other classes.

(f) **Black soybeans**. Black soybeans shall be any soybeans with black seed coats and may include not more than 10.0 percent of soybeans of other classes.

(g) **Mixed soybeans**. Mixed soybeans shall be any mixture of soybeans which does not meet the requirements of the classes yellow soybeans, green soybeans, brown soybeans, or black soybeans. Bicolored soybeans shall be classified as mixed soybeans.

(h) **Grades**. Grades shall be the U.S. numerical grades, U.S. Sample grade, and special grades provided for in § 26.603.

(i) **Bicolored soybeans**. Bicolored soybeans shall be any soybeans with seed coats of two colors, one of which is black or brown.

(j) **Splits**. Splits shall be pieces of soybeans that are not damaged.

(k) **Damaged kernels**. Damaged kernels shall be soybeans and pieces of soybeans which are heat-damaged, sprouted, frosted, badly ground-damaged, badly weather-damaged, moldy, diseased, stink-bug-stung, or otherwise materially damaged. Stink-bug-stung kernels shall be considered damaged kernels at the rate of one-fourth of the actual percentage of the stung kernels.

(l) **Heat-damaged kernels**. Heat-damaged kernels shall be soybeans and pieces of soybeans which are materially discolored and damaged by heat.

(m) **Foreign material**. Foreign material shall be all matter, including soybeans and pieces of soybeans, which will pass readily through an 8/64 sieve and all matter other than soybeans remaining on such sieve after sieving.

(n) **Stones**. Stones shall be concreted earthy or mineral matter and other substances of similar hardness that do not disintegrate readily in water.

(o) **8/64 sieve**. An 8/64 sieve shall be a metal sieve 0.032 inch thick perforated with round holes 0.125 (8/64) inch in diameter with approximately 4,736 perforations per square foot.

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*The specifications of these standards shall not excuse failure to comply with the provisions of the Federal Food, Drug, and Cosmetic Act.

§26.602 Principles governing application of standards.

The following principles shall apply in the determination of the classes and grades of soybeans:

(a) Basis of determination. Each determination of class, splits, damaged kernels, and heat-damaged kernels, and of black, brown and/or bicolored soybeans in Yellow or Green Soybeans, shall be upon the basis of the grain when free from foreign material. All other determinations shall be upon the basis of the grain as a whole.

(b) Perçentages. All percentages shall be upon the basis of weight. The percentages of splits shall be expressed in terms of whole percents. All other percentages shall be expressed in terms of whole and tenths percents.

(c) Moisture. Moisture shall be ascertained by the air-oven method prescribed by the United States Department of Agriculture, as described in Service and Regulatory Announcement No. 147, issued by the Agricultural Marketing Service, or ascertained by any method which gives equivalent results.

(d) Test weight per bushel. Test weight per bushel shall be the weight per Winchester bushel as determined by the method prescribed by the United States Department of Agriculture, as described in Circular No. 921 issued June 1953, or as determined by any method which gives equivalent results.

§26.603 Grades, grade requirements, and grade designations.

The following grades, grade requirements, and grade designations are applicable under these standards:

Soybeans

(a) Grades and grade requirements for Soybeans. (See also paragraph (c) of this section.)

Grade	Maximum limits of —						
	Minimum test weight per bushel	Moisture	Damaged kernels: Splits	Damaged kernels: Total	Damaged kernels: Heat damaged	Foreign material	Brown, black and/or bicolored soybeans in yellow or green soybeans
	Pounds	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*	*Percent*
U.S. No. 1	56.0	13.0	10.0	2.0	0.2	1.0	1.0
U.S. No. 2	54.0	14.0	20.0	3.0	0.5	2.0	2.0
U.S. No. 3[1]	52.0	16.0	30.0	5.0	1.0	3.0	5.0
U.S. No. 4[2]	49.0	18.0	40.0	8.0	3.0	5.0	10.0
U.S. Sample grade	U.S. Sample grade shall be soybeans which do not meet the requirements for any of the grades from U.S. No. 1 to U.S. No. 4, inclusive; or which are musty, sour, or heating; or which have any commercially objectionable foreign odor; or which contain stones; or which are otherwise of distinctly low quality.						

[1]Soybeans which are purple mottled or stained shall be graded not higher than U.S. No. 3.
[2]Soybeans which are materially weathered shall be graded not higher than U.S. No. 4.

Grade Designation

(b) Grade designations for soybeans. The grade designations for soybeans shall include in the order named, the letters "U.S."; the number of the grade or the words "Sample grades," as the case may be; the name of the class; and the name of each applicable special grade. In case of mixed soybeans, the grade designation shall also include, following the name of the class, the approximate percentages of yellow, green, brown, black, and bicolored soybeans in the mixture.

(c) Optional grade designations. Soybeans may be certificated (under certain conditions**), when supported by official analysis, as "U.S. No. 2 or better Soybeans," "U.S. No. 3 or better Soybeans," etc. The optional grade designation for soybeans shall include the name of the class immediately preceding the word "soybeans" in the grade designation. The special grade designation, when applicable, also shall be included (under certain conditions**) in the certification.

Special Grades for Soybeans

(d) Special grades, special grade requirements, and special grade designations for soybeans — (1) Garlicky soybeans—(i) **Requirements.** Garlicky soybeans shall be soybeans which contain 5 or more garlic bulblets in 1,000 grams.

(ii) **Grade designation.** Garlicky soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not garlicky and there shall be added to and made a part of the grade designation the word "garlicky."

(2) **Weevily soybeans**—(i) **Requirements.** Weevily soybeans shall be soybeans which are infested with live weevils or other live insects injurious to stored grain.

(ii) **Grade designation.** Weevily soybeans shall be graded and designated according to the grade requirements of the standards applicable to such soybeans if they were not weevily, and there shall be added to and made a part of the grade designation the word "weavily."

Interpretations (Added)

§26.901 Interpretation with respect to the term "distinctly low quality."

The term "distinctly low quality," when used in the United States Standards for Grain, shall be construed to include grain which contains more than two crotalaria seeds (Crotalaria spp.) in 1,000 grams of grain.

§26.902 Interpretation with respect to the term "purple mottled or stained."

The term "purple mottled or stained," when used in the United States Standards for Soybeans (see § 26.603 (a)) shall be construed to include soybeans which are discolored by the growth of a fungus; or by dirt; or by a dirtlike substance including nontoxic inoculants; or by other nontoxic substances.

§26.903 Interpretation with respect to the term "Bicolored soybeans."

The term "bicolored soybeans," when used in the United States Standards for Soybeans (see § 26.601 (i)), shall be construed to include any soybeans with seed coats of two colors, one of which is black or brown, when the black and/or brown color covers 50 percent or more of the seed coat. The hilum of a soybean shall not be considered a part of the seed coat.

**The conditions are listed in the Grain Inspection Manual, GR Instruction 918.6. Copies may be obtained from the Inspection Division, Federal Grain Inspection Service, U.S. Department of Agriculture, 1400 Independence Avenue, S.W., Washington, D.C. 20250.

SOY FLOUR STANDARDS

	Full-fat soy flour	Low-fat soy flour	Defatted soy flour
Protein (Nx 6.25)*	40.0% Min.	45.0% Min.	50.0% Min.
Protein (Nx 5.7)*	36.5% Min.	41.0% Min.	45.0% Min.
Fat (Ether Extract)*	18.0% Min.	4.5—9.0% Max.	2.0% Max.
Fibre*	3.0% Max.	3.3% Max.	3.5% Max.
Moisture	8.0% Max.	8.0% Max.	8.0% Max.
Ash*	5.5% Max.	6.5% Max.	6.5% Max.

Screen: 97% through No. 100 U.S. Standard Screen for each of the above.
*Moisture free basis.

Definition

The Products shall be processed from high quality, sound, clean, dehulled yellow soybeans as defined in the United States Grain Standards Act. The soybeans shall be subjected to a thorough initial cleaning operation, that shall substantially remove all foreign material. Disagreeable flavors and odors shall be removed by subjecting the soy material to adequate processing.

Soy flour shall be prepared and packaged under modern sanitary conditions.

The soy flour shall be free from burnt, musty, rancid or other undesirable flavors or odors; free from burnt, scorched or grayish color and free from insects, insect webbing, dirt or other extraneous matter.

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SEAL OF APPROVAL.

The soybeans we purchase from America's farmers are of such fine quality, we'd be proud to put an ADM label on each and every one.

This commitment to absolute quality has helped us become the leading domestic processor of soybeans with 19 plants. ADM also operates 4 vegetable oil refineries and 3 edible soy protein plants. These facilities allow ADM to offer the most complete line of soy products including soy flour, soy protein concentrate, isolated soy protein, TVP® textured vegetable protein, soybean meal, soybean oil and lecithin products.

Users of our soybean products know they can achieve better quality, increased production, and controlled costs in their food and feed products.

For over 50 years ADM has sought top quality soybeans to produce top quality products. And while an ADM label may not appear on a soybean . . . our name and reputation is solidly behind each and every one we process.

ADM
ARCHER DANIELS MIDLAND COMPANY
World Headquarters – Decatur, IL 62525
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Helping America use its abundance to meet the worlds needs.

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Soybean oil provides more food energy to meet daily caloric requirements than any food we send to the developing world. And it easily moves to areas of the greatest need.

NSPA and ASA know that soybean oil lowers the hunger barrier, providing the energy to fuel world economic development. It's a "liquid gold"—making economic growth possible today, and paying U.S. agriculture dividends tomorrow.

We're the biggest customers of America's soybean growers!

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